ORDER NO. ACED040127C8

AUTOMOTIVE AFTERMARKET

CQ-C3300N / CQ-C3100AN / CQ-C3100GN / CQ-C3100VN

MP3 WMA CD Player / Receiver with CD Changer Control

(CQ-C3300N)

SPECIFICATIONS

Specifications*

General	
Power Supply	**DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground**
Current Consumption	**Less than 2.2A / (CD mode , 0.5W 4-speaker)**
Maximum Power Output	**50W×4 (at 4 Ω) [CQ-C3300N] 45W×4 (at 4 Ω) [CQ-C3100AN/3100GN/C3100VN]**
Power Output	**22W×4 (DIN45 324, at 4 Ω)**
Speaker Impedance	**4-8 Ω**
Pre-Amp Output Voltage	**2.5V (CD mode)**
Pre-Amp Output Impedance	**200 Ω**
FM Stereo Radio	
Frequency Range	**87.5 - 108MHz**
Usable Sensitivity	**6 dB/ μ V (S/N 30 dB)**
Stereo Separation	**35dB (at 1 kHz)**
MW Radio	
Frequency Range	**531 - 1 602kHz**
Usable Sensitivity	**29dB/ μ V (S/N 20 dB)**
LW Radio	
Frequency Range	**153 - 279 kHz**
Usable sensitivity	**34dB/ μ v (S/N 20 dB)**
CD Player	
Sampling Frequency	**8 Times Oversampling**
DA Converter	**4 DAC System**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wave Length	**780nm**
Frequency Response	**20Hz to 20kHz (±1dB)**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.01%(1kHz)**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions (W×H×D)**	**178mm×50mm×155mm**
Weight**	**1.4kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**

**** Dimensions and Weight shown are approximate.**

-Above specifications comply with EIA standards.

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Panasonic

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

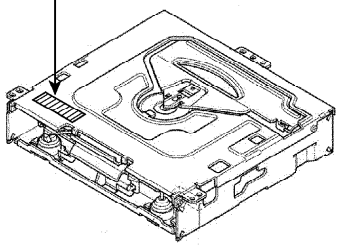
2. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3. FEATUERS

- **Digital servo for reliable playback.**
- **PLL (Phase Locked Loop) synthesized tuning.**
- **18-FM, 6-AM presets with preset scan.**
- **Removable face plate.**
- **CD Changer Control. (CQ-C3300N)**
- **MP3/WMA Playback from CD-R/RW. (CQ-C3300N)**

• The differences among these models are mentioned below.

Features / Model	CQ-C3300N	CQ-C3100AN	CQ-C3100GN	CQ-C3100VN
Available Audio Format*	CD-DA/MP3/WMA	CD-DA	CD-DA	CD-DA
LCD Colour	White	Amber	Green	Blue
Key Colour	Red	Amber	Green	Red
Body/Trim Plate Colour	Coating Silver	Plating Black	Plating Black	Plating Black
CD-text	Supported	Not supported	Not supported	Not supported
CD Changer Control	Supported	Not supported	Not supported	Not supported
Maximum Power Output	50 W	45 W	45 W	45 W

4. REPLACING THE FUSE

Use fuses of the same specified rating (15 amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

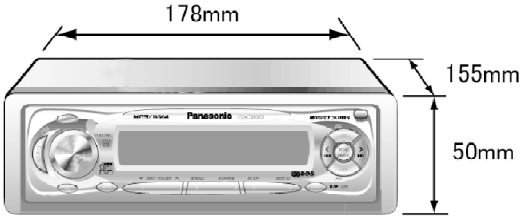
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

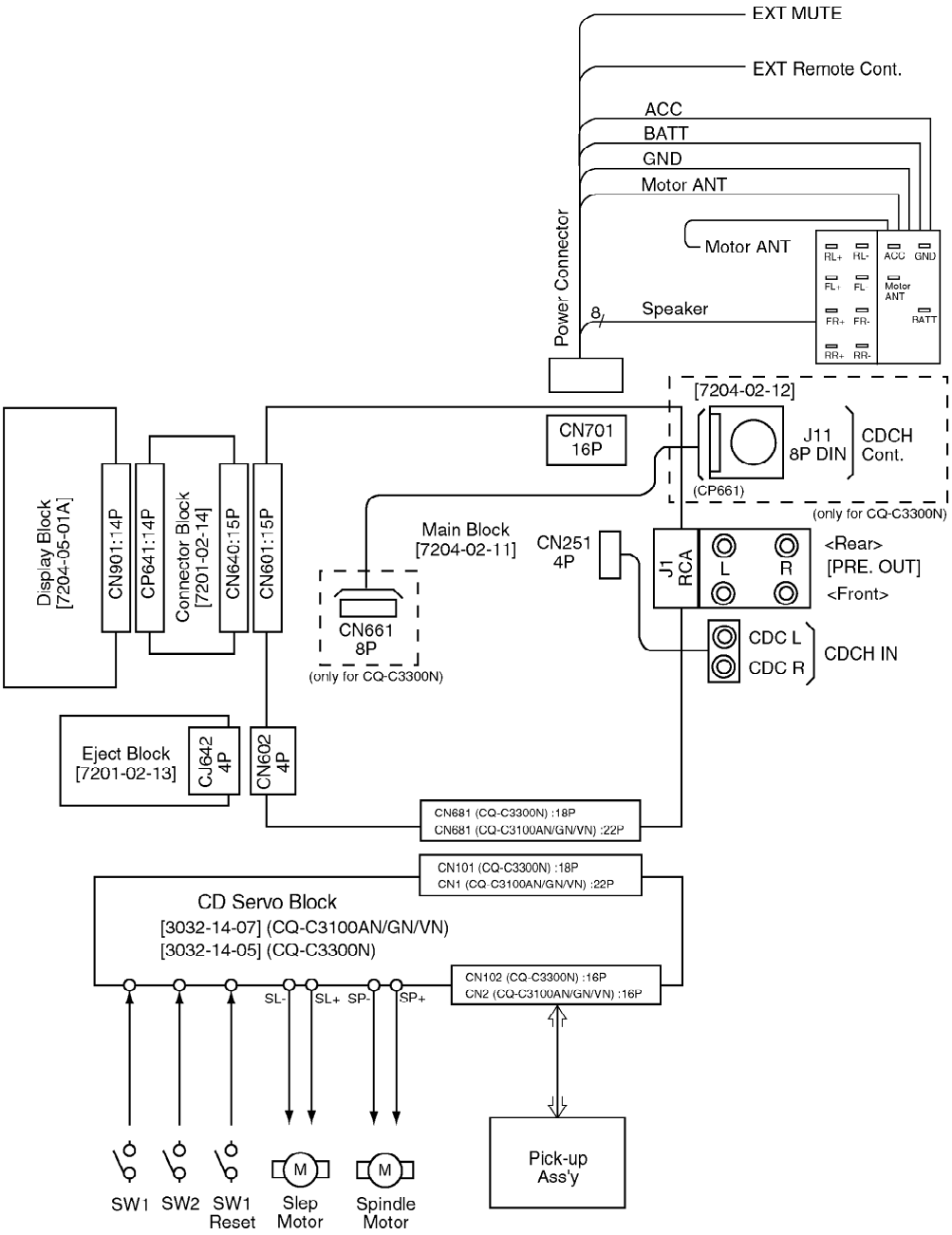
[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



8. WIRING CONNECTION



9. TERMINALS DESCRIPTION

9.1. Main Block

IC601 : YESAM242 [CQ-C3300N]

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	CH SENS	CD changer detect	I	5.0	5.0	5.0
2	SD/ST	Radio station detect	I	5.0	5.0	5.0
3	EJECT	Eject SW	I	5.0	5.0	5.0
4	AVSS	Ground	-	0	0	0
5	EXT.MUTE	External mute	O	5.0	5.0	5.0
6	CDC 1/2	(Ground pull down)	-	5.0	5.0	5.0
7	AVREF1	(Conecting to +5V)	-	5.0	5.0	5.0
8	SUB SO	LCD data	I	5.0	5.0	5.0
9	LCD DI	LCD data	O	5.0	5.0	5.0
10	SUB SI	LCD clock	O	5.0	5.0	5.0
11	CDC DATA	CD Changer data	O	0	0	0
12	CD OSC STP	CD OSC stop	O	5.2	5.2	0
13	CH CLK	CD Changer clock	I	0	0	0
14	CDC REM	CD Changer remote control data	O	5.2	5.2	5.2
15	BZ OUT	Buzzer signal output	O	0	0	0
16	CD SO	CD data output	I	5.0	5.0	0
17	CD SI	CD data input	O	0	0	3.3
18	CD SCK	CD clock	O	5.2	5.0	5.0
19	LCD CE	LCD chip enable	O	0	0	0
20	CD RST	CD reset	O	0	0	5.2
21	AMP CNT	Amp control signal	O	5.2	5.1	5.2
22	ANT CNT (NC)	-	-	-	-	-
23	AMP MUTE	Amp mute control	O	5.2	5.2	5.2
24	CD STB	CD strobe	O	0	0	4.6
25	CD A0	CD A0	O	0	0	5.0
26	NC	-	-	-	-	-
27	NC	-	-	-	-	-
28	NC	-	-	-	-	-
29	NC	-	-	-	-	-
30	NC	-	-	-	-	-
31	NC	-	-	-	-	-
32	NC	-	-	-	-	-
33	VSS1	Ground	-	0	0	0
34	NC	-	-	-	-	-
35	NC	-	-	-	-	-

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
36	SCL	Audio control serial clock	O	5.2	5.2	5.2
37	SDA	Audio control data	O	5.2	5.2	5.2
38	S LED	S LED drive signal	O	0	0	0
39	EJ ILL	Eject Led drive signal	O	5.2	5.2	5.2
40	NC	-	-	-	-	-
41	PLL DI	PLL data	O	0	0	0
42	PLL DO	PLL data	I	5.0	5.0	5.0
43	PLL CLK	PLL data clock	O	5.2	5.2	5.2
44	PLL CE	PLL chip select	O	0	0	0
45	ROM CS	(+5V pull up)	-	-	-	-
46	PANEL	Panel switch signal	I	0	0	0
47	OP/CL	Open/close detect	I	5.1	5.1	5.1
48	LCD5V CNT	LCD 5V control	O	0	0	0
49	EEPROM DI (NC)	-	-	-	-	-
50	EEPROM SK (NC)	-	-	-	-	-
51	DIM1	(Ground pull down)	-	0	0	0
52	DIM2	(Ground pull down)	-	0	0	0
53	EEPROM DO (NC)	(Ground pull down)	-	-	-	-
54	AF MUTE	Audio mute signal	O	5.0	5.0	5.0
55	INV CNT	Inverter control	O	5.0	5.0	5.0
56	CD CNT	CD power control	O	0	0	0
57	MAIN CONT	Main power control	O	5.0	5.0	5.0
58	SW CNT (NC)	-	-	-	-	-
59	RDS DATA	RDS data	I	2.8	0	0
60	RESET	System reset	I	5.0	5.0	5.0
61	RM DATA	Remote control data	I	5.0	5.0	5.0
62	BATT	Battery detekut	I	5.2	5.2	5.2
63	RDS CLK	RDS clock	I	5.8	5.8	5.8
64	CDC STB	CD Changer strobe	I	0	0	0
65	ROTARY 1	Rotary encoder input 1	I	5.0	5.0	5.0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
66	ROTARY 2	Rotary encoder input 2	I	5.0	5.0	5.0
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	5.2	5.2	5.2
69	X2	Crystal oscillator	-	3.0	3.0	3.0
70	X1	Crystal oscillator	-	2.5	2.5	2.5
71	TEST	(Test terminal)	-	0	0	0
72	XT2	Crystal oscillator	-	2.9	2.9	2.9
73	XT1	Crystal oscillator	-	2.6	2.6	2.6
74	VDD0	+5V power supply	-	5.2	5.2	5.2
75	AVDD	+6V power supply	-	5.2	5.2	5.2
76	VSM	VSM	I	0	0	0
77	ACC	ACC detect	I	4.8	4.8	4.8
78	INIT/B	(+5V pull up)	-	5.0	5.0	5.0
79	SPEANA AIN	(Ground pull down)	-	0	0	0
80	LEVEL L (NC)	-	-	-	-	-

IC601 : YESAM241 [CQ-C3100AN/3100GN/3100VN]

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	CH SENS	CD changer detect	I	5.0	5.0	5.0
2	SD/ST	Radio station detect	I	5.0	5.0	5.0
3	EJECT	Eject SW	I	5.0	5.0	5.0
4	AVSS	Ground	-	0	0	0
5	EXT.MUTE	External mute	O	5.0	5.0	5.0
6	CDC 1/2	(Ground pull down)	-	5.0	5.0	5.0
7	AVREF1	(Conecting to +5V)	-	5.0	5.0	5.0
8	SUB SO	LCD data	I	5.0	5.0	5.0
9	LCD DI	LCD data	O	5.0	5.0	5.0
10	SUB SI	LCD clock	O	5.0	5.0	5.0
11	CDC DATA	CD Changer data	O	0	0	0
12	CD OSC STP	CD OSC stop	O	5.2	5.2	0
13	CH CLK	(Ground pull down)	-	0	0	0
14	CDC REM	CD Changer remote control data	O	5.2	5.2	5.2
15	BZ OUT	Buzzer signal output	O	0	0	0
16	CD SO	CD data output	I	5.0	5.0	0
17	CD SI	CD data input	O	0	0	3.3

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
18	CD SCK	CD clock	O	5.2	5.0	5.0
19	LCD CE	LCD chip enable	O	0	0	0
20	CD RST	CD reset	O	0	0	5.2
21	AMP CNT	Amp control signal	O	5.2	5.1	5.2
22	ANT CNT	ANT control signal	O	5.2	5.2	0
23	AMP MUTE	Amp mute control	O	5.2	5.2	5.2
24	CD STB	CD strobe	O	0	0	4.6
25	CD A0	CD A0	O	0	0	5.0
26	CD RFOK	RF OK signal	I	0	0	5.0
27	CD LOCK	CD lock signal	I	0	0	5.0
28	CD LIMIT	CD limit switch signal	I	0	0	5.0
29	CD SW1	CD SW1		0	0	0
30	CD SW2	CD SW2	I	5.0	5.0	0
31	NC	-	-	-	-	-
32	NC	-	-	-	-	-
33	VSS1	Ground	-	0	0	0
34	NC	-	-	-	-	-
35	NC	-	-	-	-	-
36	SCL	Audio control serial clock	O	5.2	5.2	5.2
37	SDA	Audio control data	O	5.2	5.2	5.2
38	S LED	S LED drive signal	O	0	0	0
39	EJ ILL	Eject Led drive signal	O	5.2	5.2	5.2
40	NC	-	-	-	-	-
41	PLL DI	PLL data	O	0	0	0
42	PLL DO	PLL data	I	5.0	5.0	5.0
43	PLL CLK	PLL data clock	O	5.2	5.2	5.2
44	PLL CE	PLL chip select	O	0	0	0
45	ROM CS	(+5V pull up)	-	-	-	-
46	PANEL	Panel switch signal	I	0	0	0
47	OP/CL	Open/close detect	I	5.1	5.1	5.1
48	LCD5V CNT	LCD 5V control	O	0	0	0
49	EEPROM DI (NC)	-	-	-	-	-
50	EEPROM SK (NC)	-	-	-	-	-
51	DIM1	(Ground pull down)	-	0	0	0

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
52	DIM2	(Ground pull down)	-	0	0	0
53	EEPROM DO (NC)	(Ground pull down)	-	-	-	-
54	AF MUTE	Audio mute signal	O	5.0	5.0	5.0
55	INV CNT	Inverter control	O	5.0	5.0	5.0
56	CD CNT	CD power control	O	0	0	0
57	MAIN CONT	Main power control	O	5.0	5.0	5.0
58	NC	-	-	-	-	-
59	RDS DATA	RDS data	I	2.8	0	0
60	RESET	System reset	I	5.0	5.0	5.0
61	RM DATA	Remote control data	I	5.0	5.0	5.0
62	BATT	Battery detekut	I	5.2	5.2	5.2
63	RDS CLK	RDS clock	I	5.8	5.8	5.8
64	CDC STB	(Ground pull down)	-	0	0	0
65	ROTARY 1	Rotary encoder input 1	I	5.0	5.0	5.0
66	ROTARY 2	Rotary encoder input 2	I	5.0	5.0	5.0
67	VSS0	Ground	-	0	0	0
68	VDD1	+5V power supply	-	5.2	5.2	5.2
69	X2	Crystal oscillator	-	3.0	3.0	3.0
70	X1	Crystal oscillator	-	2.5	2.5	2.5
71	TEST	(Test terminal)	-	0	0	0
72	XT2	Crystal oscillator	-	2.9	2.9	2.9
73	XT1	Crystal oscillator	-	2.6	2.6	2.6
74	VDD0	+5V power supply	-	5.2	5.2	5.2
75	AVDD	+6V power supply	-	5.2	5.2	5.2
76	VSM	VSM	I	0	0	0
77	ACC	ACC detect	I	4.8	4.8	4.8
78	INIT/B	(+5V pull up)	-	5.0	5.0	5.0
79	SPEANA AIN	(Ground pull down)	-	0	0	0
80	LEVEL L (NC)	-	-	-	-	-

9.2. Display Block

IC901 : YEAMLC75854T

Pin No.	Port	Description	I/O	(V)
1	P1 (NC)	-	-	-
2	S2/P2 (NC)	-	-	-
3-39	S3-39	LCD segment data	O	2.5
40-43	COM1-4	LCD common	O	2.5
44,45	KS1, 2	Not used	-	-
46-49	KS3-6	Key strobe	O	5.0
50-54	KI1-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5.0
57	VDD1	VDD1 filter terminal	-	3.3
58	VDD2	VDD2 filter terminal	-	1.7
59	VSS	Ground	-	0
60	OSC	Oscillator terminal	-	5.0
61	DO	Key data output	O	5.0
62	CE	LCD driver chip enable	I	0
63	CLK	LCD clock	I	5.0
64	DI	LCD data	I	5.0

9.3. CD Servo Block [CQ-C3300N]

IC401 : YESAM176

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	-	-	-	-
3	CVSS2	GND	-	0
4	DVSS1	I/O system (3.3V) power supply	-	3.3
5	A10	Address bus of FLASH ROM	O	0
6	-	-	-	-
7	A11	Address bus of FLASH ROM	O	3.3
8	A12		O	3.3
9	A13		O	3.3
10	A14		O	3.3
11	A15		O	3.3
12	/CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	-	-	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0
16	/CVDD2	I/O system (3.3V) power supply	-	1.6
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	nPS	FLASH ROM selection signal	O	3.3
21	-	-	-	-
22	-	-	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.3
24	nMSTRB	Memory access signal	O	3.3
25	-	-	-	-
26	-	-	-	-
27	MUTE	Mute signal output (H: Mute on)	O	0
28	-	-	-	-
29	-	-	-	-
30	-	-	-	-
31	SUBO	SUBO input	I	0
32	-	Operation mode setting (external pull-up)	I	3.3
33	DVDD2	I/O system (3.3V) power supply	-	3.3
34	CVSS4	GND	-	0
35	(GND)	GND	I	0

36	**-**	**-**	**-**	**-**

Pin No.	Port	Descriptions	I/O	(V)
37	CVSS5	GND	-	0
38	-	-	-	-
39	-	-	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.3
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.6
45	DATA M C	AUDIO serial data input	I	1.6
46	-	-	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.3
50	CVSS6	GND	-	0
51	-	-	-	-
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.6
54	CDFS	Serial frame sink signal input	I	2.4
55	-	-	-	-
56	DVDD3	I/O system (3.3V) power supply	-	3.3
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.3
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.2
61	-	-	-	-
62	-	-	-	-
63	-	-	-	-
64	-	-	-	-
65	-	-	-	-
66	BLKCK	Subcode block clock pulse input	I	0
67	-	-	-	-
68	DVDD4	CORE CPU system (1.6V) power supply	-	1.6

Pin No.	Port	Descriptions	I/O	(V)
69	SW1	Mechanics deck SW1 input	I	0
70	CVSS7	GND	-	0
71	MCLK	Clock output (To Servo DSP)	O	3.3
72	DVSS4	GND	-	0
73	MLD	Command load signal output (To Servo DSP)	I	3.3
74	MDATA	Command data output (To Servo DSP)	O	3.3
75	DVDD4	I/O system (3.3V) power supply	-	3.3
76	DVSS5	GND	-	0
77	-	Clock mode setting (L fixation)	I	0
78	-	Clock mode setting (H fixation)	I	3.3
79	-	Clock mode setting (L fixation)	I	-
80	-	-	-	-
81	SW2	Mechanics deck SW2 input	I	0
82	-	-	-	-
83	-	-	-	-
84	-	-	-	-
85	-	-	-	-
86	-	-	-	-
87	-	-	-	-
88	-	-	-	-
89	-	-	-	-
90	CVSS8	GND	-	3.3
91	CVDD5	CORE CPU system (1.6V) power supply	-	0
92	(GND)	GND	I	1.6
93	DVSS6	GND	-	0
94	-	-	-	-
95	CLKENA	Oscillation output Cainabl signal	O	3.3
96	×1	Crystal Connection	O	0
97	×2	Crystal Connection	I	0
98	(VDD)	Reset signal input	I	1
99	D0	Data base of FLASH ROM	I/O	3.4
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0

Pin No.	Port	Descriptions	I/O	(V)
105	A16	Address bus of FLASH ROM	O	0
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.3
108	A18		O	0
109	A19		O	0
110	A20		O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.3
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	0.4
121	D13	Data path of FLASH ROM	I/O	0
122	D14		I/O	0
123	D15		I/O	0
124	SQCK	SOCK clock output(To Servo DPS)	O	3.2
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	-	-	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	-	-	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.3
131	A0	Address bus of FLASH ROM	O	0
132	A1		O	0
133	A2		O	3.3
134	A3		O	3.3
135	/RST	Reset signal output(To Servo DSP)	O	3.3
136	A4	Address bus of FLASH ROM	O	3.3
137	A5		O	0
138	A6		O	3.3
139	A7		O	3.3
140	A8		O	0
141	A9		O	3.3

Pin No.	Port	Descriptions	I/O	(V)
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	-	-	-	-
144	DVSS9	GND	-	0

9.4. CD Servo Block / [CQ-C3100AN/3100GN/3100VN]

IC1 : YESAM148

Pin No.	Port	Description	I/O	(V)
1	D.GND	Digital Ground	-	0
2	RFOK	RFOK Signal	O	5
3	/RST	Reset	I	5
4	A0	Address 0	I	4.6
5	/STB	Strobe	I	5.2
6	/SCK	Serial Clock	I	5.2
7	SO	Serial Data Output	O	0
8	SI	Serial Data Input	I	3
9	/XTALEN	Crystal Oscillaton Enable	I	0
10	D.VDD	Digital Power Supply	-	5
11	DA.VDD	D/A Converter Power Supply	-	4.9
12	ROUT	R-channel Audio Signal Output	O	-
13	DA.GND	D/A Converter Ground	-	-
14	REGC	Capacitor Connection for Regulator	-	-
15	DA.GND	D/A Converter Ground	-	-
16	LOUT	L-channel Audio Signal Output	O	-
17	DA.VDD	D/A Converter Power Supply	-	-
18	R+(NC)	-	-	-
19	R-(NC)	-	-	-
20	L-(NC)	-	-	-
21	L+(NC)	-	-	-
22	X.VDD	Crystal Oscillator Power Supply	-	-
23	XTAL	Crystal Connection	O	2.4
24	/XTAL	Crystal Connection	I	2.4
25	X.GND	Crystal Oscillator Ground	-	0
26	D.VDD	Digital Power Supply	-	5
27	EMPH (NC)	-	-	-

Pin No.	Port	Description	I/O	(V)
28	FLAG(NC)	-	-	-
29	DIN	Data Input	I	2.7
30	DOUT	Data Output	O	2.7
31	SCKIN	Serial Clock Input	I	2.8
32	SCKO	Serial Clock Output	O	2.8
33	LRCKIN	LR Clock Input	I	2.6
34	LRCK	LR Clock	O	2.6
35	HOLD/ WDCK (NC)	-	-	-
36	TX (NC)	-	-	-
37	D.GND	Digital Ground	-	0
38	C16M (NC)	-	-	-
39	LIMIT (NC)	-	-	-
40	D.VDD	Digital Power Supply	-	5
41	LOCK	Lock	O	5
42	RFCK (NC)	-	-	-
43	MIRR/ WFCK (NC)	-	-	-
44	PLCK(NC)	-	-	-
45	D.GND	Digital Ground	-	0
46	C1D1(NC)	-	-	-
47	C1D2(NC)	-	-	-
48	C2D1(NC)	-	-	-
49	C2D2(NC)	-	-	-
50	C2D3(NC)	-	-	-
51	D.VDD	Digital Power Supply	-	5
52	PACK(NC)	-	-	-
53	TSO(NC)	-	-	-
54	TSI	Parameter Input for Text Data	I	0
55	/TSCK	Serial Clock for Text Data	I	0
56	TSTB	Text Parameter Strobe	I	0
57	D.GND	Digital Ground	-	0
58	TEST0	Test	I	0
59	TEST1	Test	I	0
60	ATEST	Analog Test	O	2.2
61	A.GND	Analog Ground	-	0
62	FD	Focus Drive	O	2.5
63	TD	Tracking Drive	O	2.5

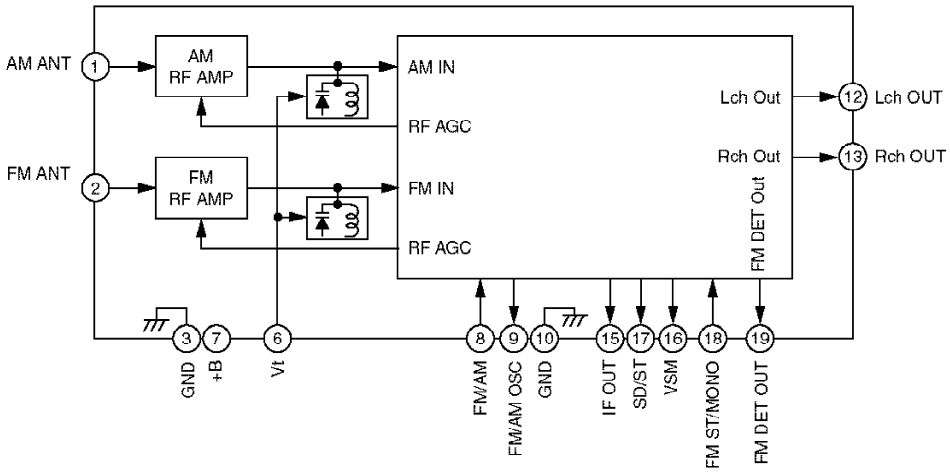
Pin No.	Port	Description	I/O	(V)
64	SD	Sled Drive	O	2.6
65	MD	Motor Drive	O	2.5
66	DAC0(NC)	-	-	-
67	DAC1(NC)	-	-	-
68	DAC2(NC)	-	-	-
69	DAC3(NC)	-	-	-
70	A.VDD	Digital Power Supply	-	5
71	EFM	EFM Signal	O	2.7
72	ASY	Slice Level	I	2.5
73	C3T	Capacitance Connection for 3T Signal Detecting Circuit	-	2.7
74	RFI	RF Signal Input	I	2.5
75	AGCO	AGC Amp Output	O	2.5
76	AGCI	AGC Amp Input	I	2.5
77	RFO	RF Amp Output	O	2.6
78	EQ2	Equalizer Parts Connection for RF Amp	-	2.5
79	EQ1	Equalizer Parts Connection for RF Amp	-	0
80	RF-	Impedance Connection to RF Amp for Negative Feedback	I	2.4
81	A.GND	Analog Ground	-	0
82	A	Error Signal Input	I	2.7
83	C(NC)	-	-	-
84	B	Error Signal Input	I	2.7
85	D(NC)	-	-	-
86	F	Error Signal Input	I	3
87	E	Error Signal Input	I	3
88	A.VDD	Analog Power Supply	-	5
89	REFOUT	Reference Output	O	2.5
90	FE-	Impedance Connection to Focus Error Amp for Negative Feedback	I	2.5
91	FEO	Focus Error Amp Output	O	2.5
92	TE-	Impedance Connection to Tracking Error Amp for Negative Feedback	I	2.5
93	TEO	Tracking Error Amp Output	O	2.5
94	TE2	Tracking Error Amp Output Multiplied by Two	O	2.7
95	TEC	Tracking Error Comparator	I	2.5

Pin No.	Port	Description	I/O	(V)
96	A.GND	Analog Ground	-	0
97	PD	Photo Diode Signal (for Detecting Laser Power) Input	I	0.2
98	LD	Laser Diode Control Current Output	O	3.7
99	PN	APC Circuit Polarity Control	I	0
100	A.VDD	Analog Power Supply	-	5

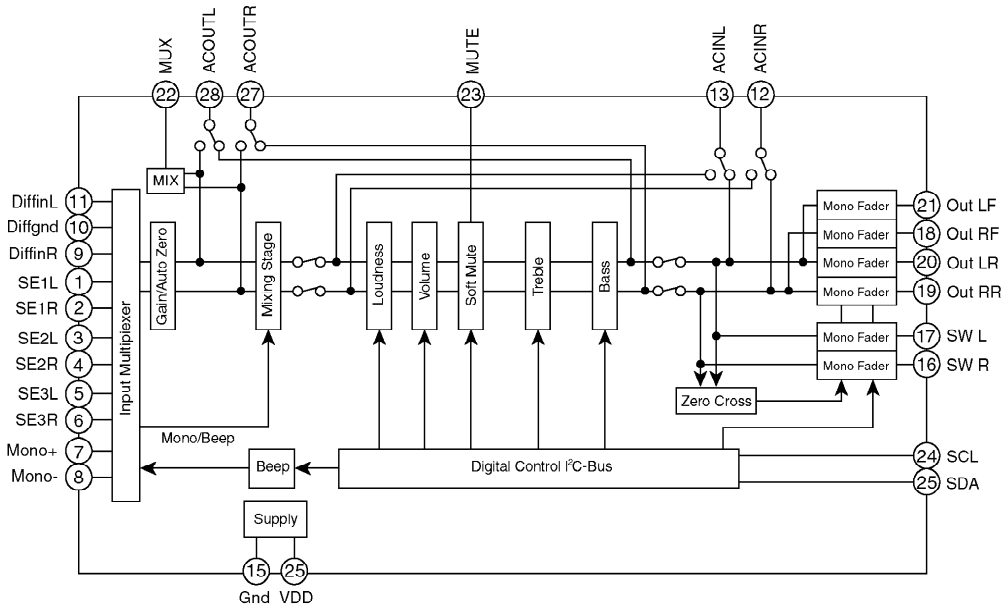
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

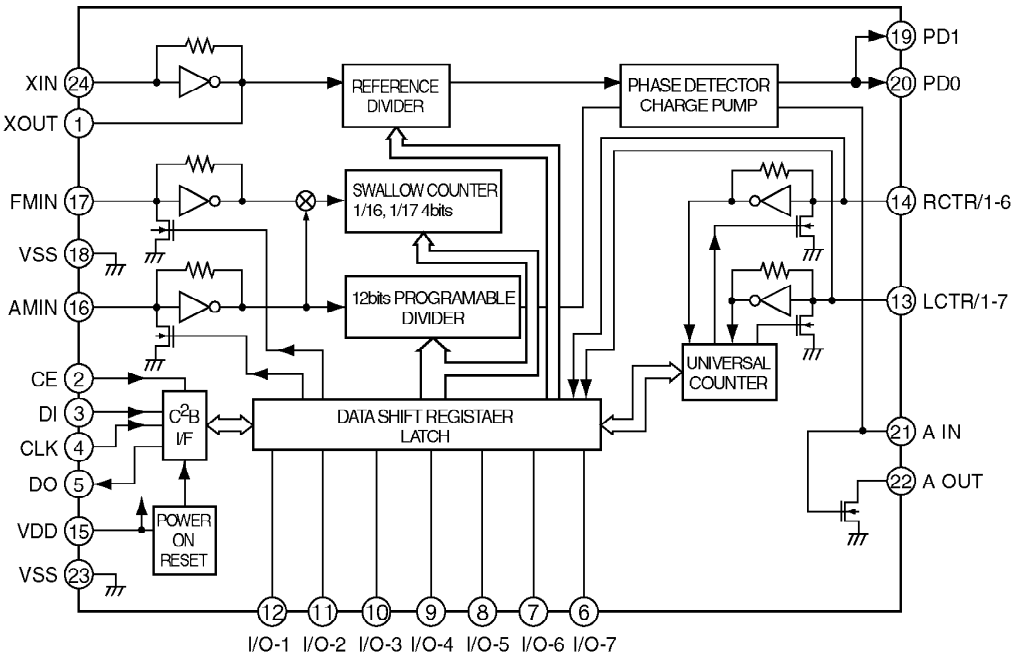
PA51 : YESAP263



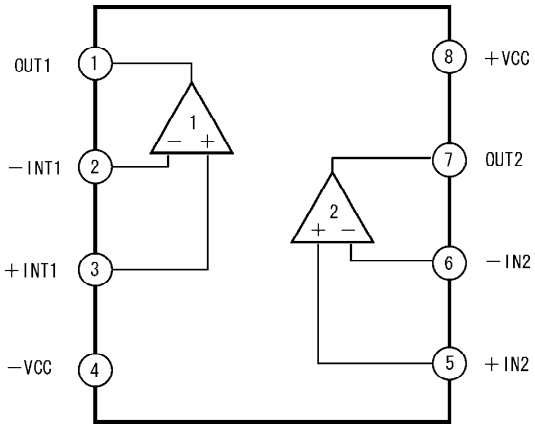
IC201 : C1BB00000543



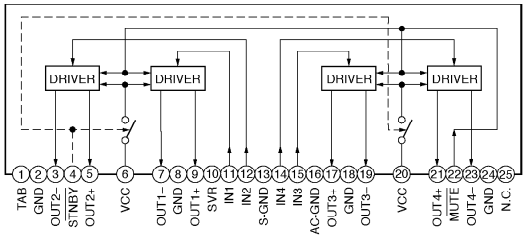
IC401 : YESAM194



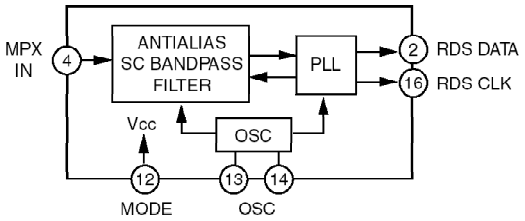
IC231 : C0ABBB000038



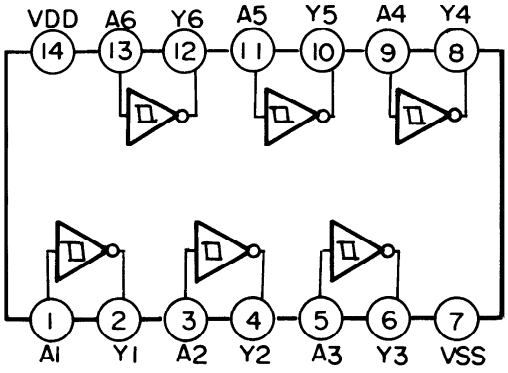
IC271 : C1EA00000021 (CQ-C3300N)



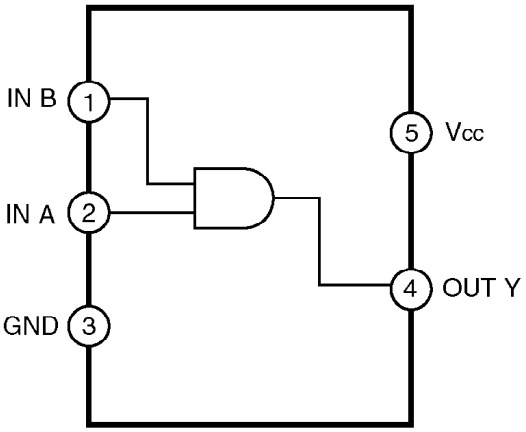
IC501 : YESAM179



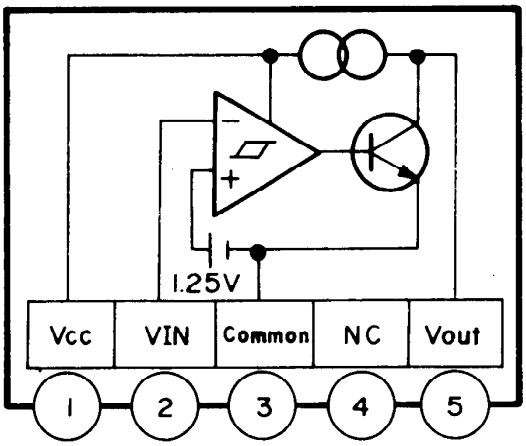
IC651 : YESAM183 (CQ-C3300N)



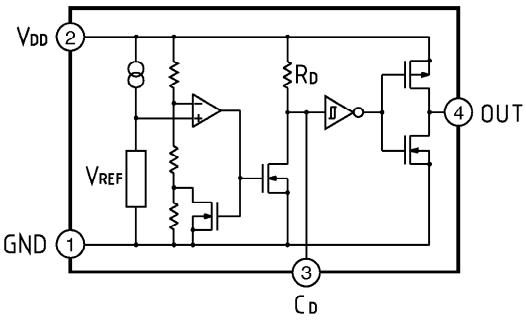
IC681 : YESAM228 (CQ-C3300N)



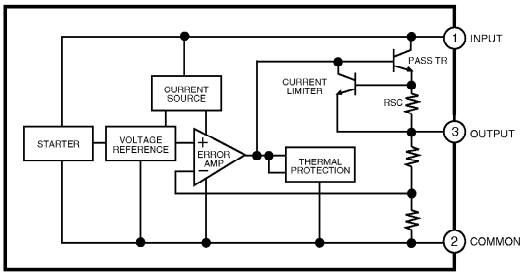
IC701 : YEAMM51945AL



IC702 : YESAM234

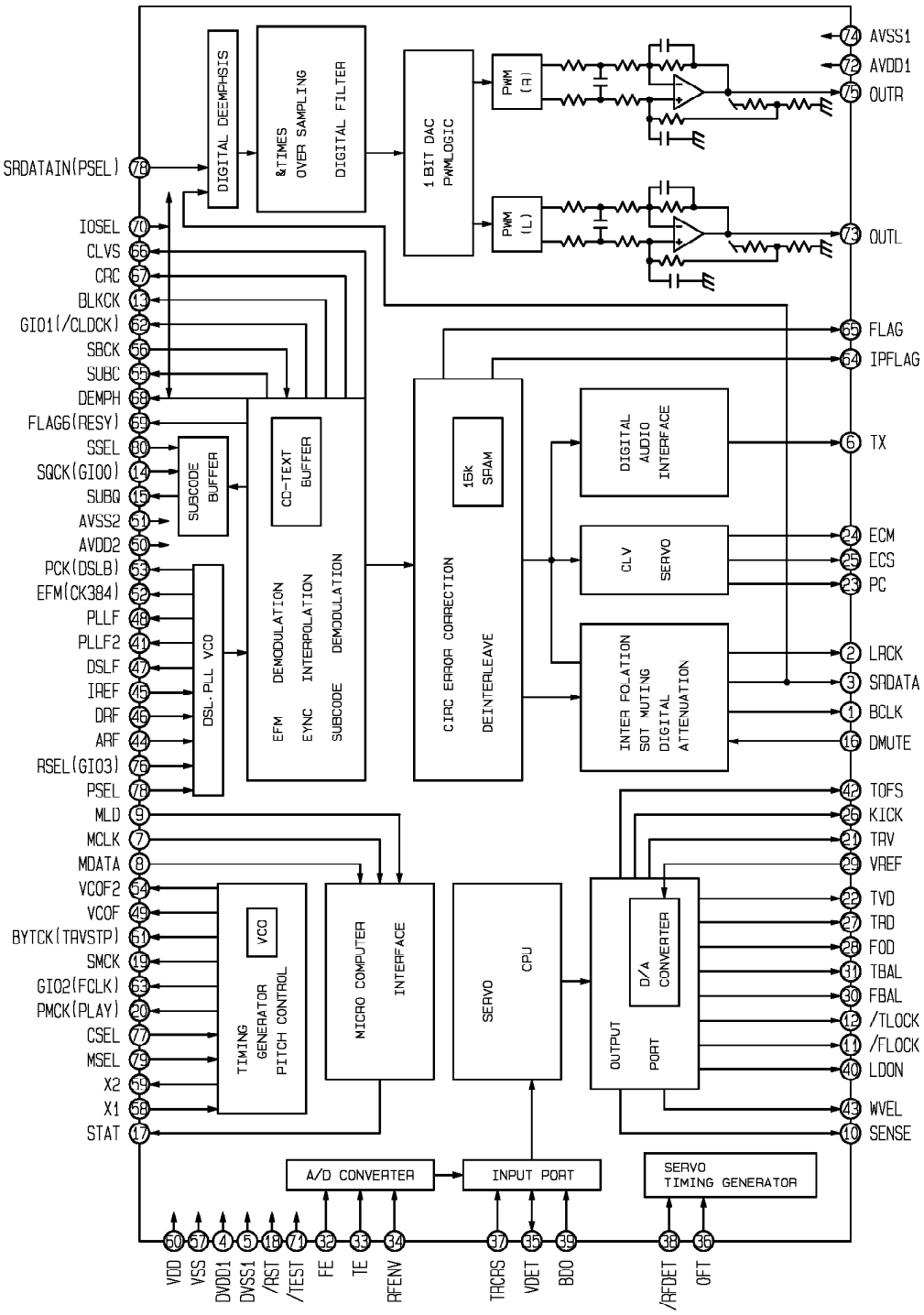


IC783 YESAM159 (CQ-C3100AN/3100GN/3100VN)

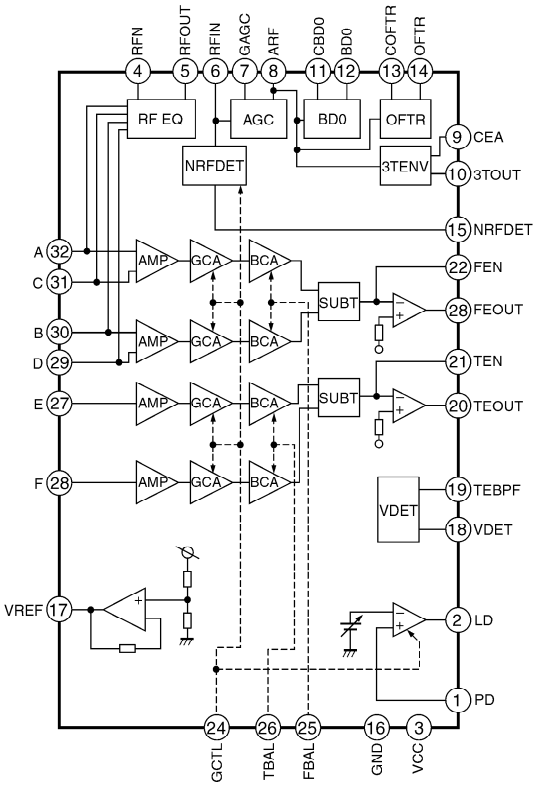


10.2. CD Servo Block [CQ-C3300N]

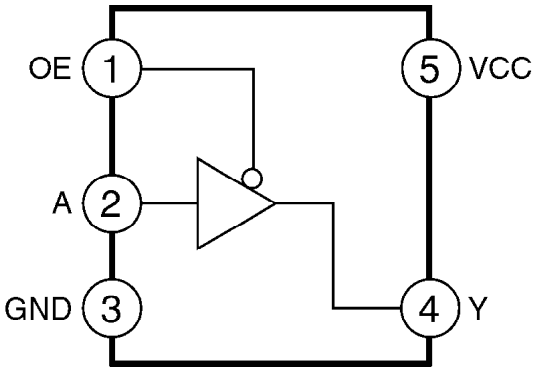
IC201 : MN6627482WB



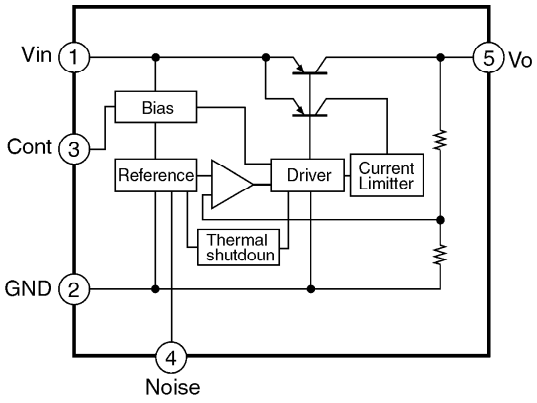
IC202 : YESAM163



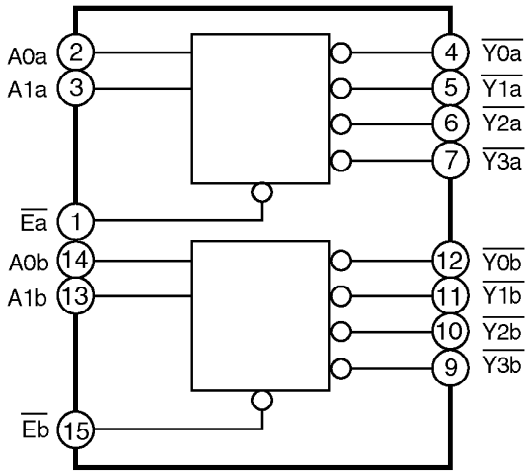
IC409 : YESAM167



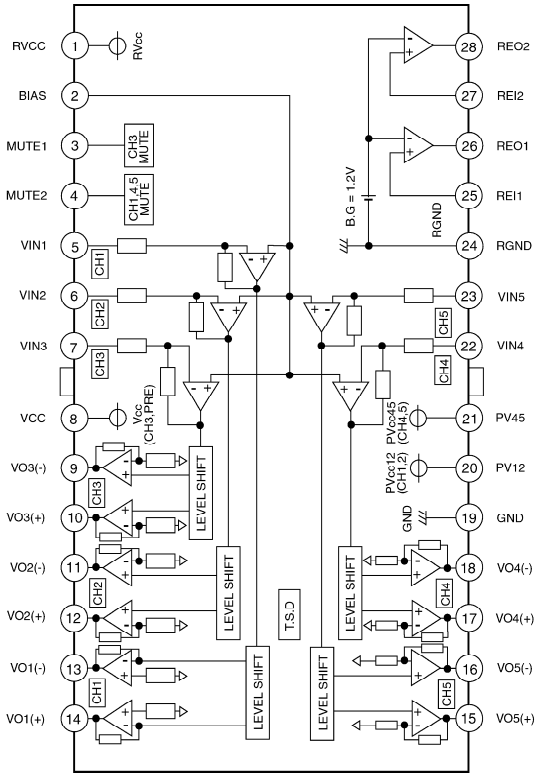
IC411 : YESAM178



IC406 : YESAM171

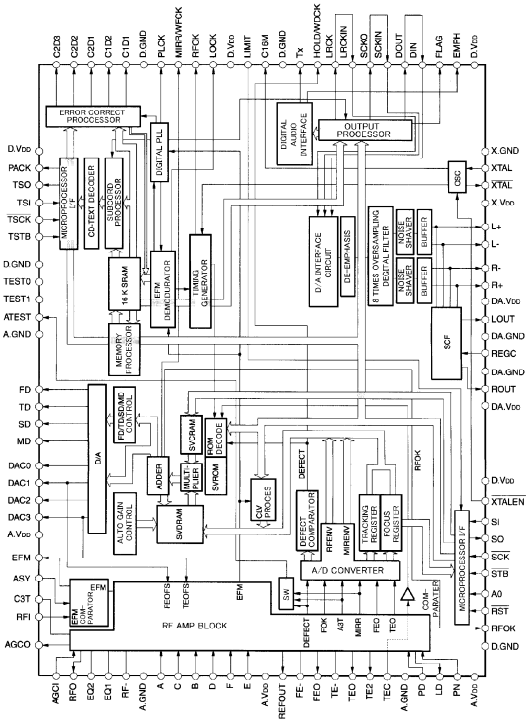


IC203 : YESAM166

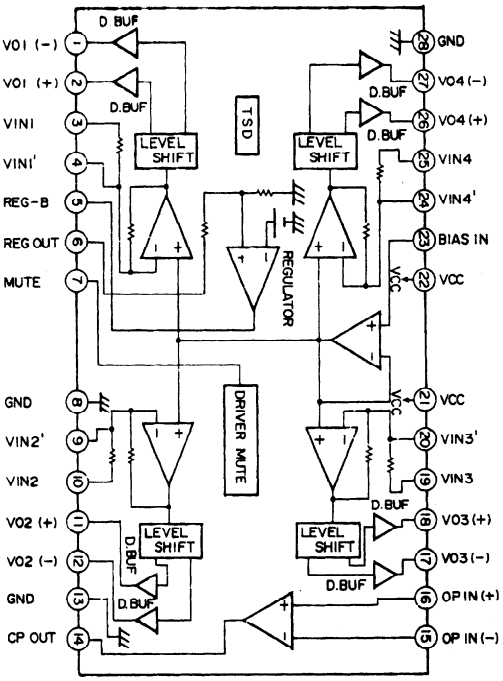


10.3. CD Servo Block [CQ-C3100AN/3100GN/3100VN]

IC1 : YESAM148



IC4 : YESAM226



11. REPLACEMENT PARTS LIST / [CQ-C3300N]

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7204-02-11] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	C0ABBB000038	IC	
IC271	C1EA00000021	IC	
IC401	YESAM194	IC	
IC501	YESAM179	IC	
IC601	YESAM242	IC	
IC651	YESAM183	IC	
IC681	YESAM228	IC	
IC701	YEAMM51945AL	IC	
IC702	YESAM234	IC	
IC719	YESAM233	IC	
IC720	YESAM232	IC	
IC783	YESAM227	IC	
PA51	YESAP263	Tuner Pack	
Q52	B1GDCFLL0010	Transistor	
Q54	B1GBCFNN0004	Transistor	
Q55	YESAN075	Transistor	
Q66	B1ABCF000044	Transistor	
Q761	B1GDCFJN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q411	YEAN2SK536TB	FET	
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q660	YESAN075	Transistor	
Q661	YEANA114TK	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q670	B1GDCFJJ0002	Transistor	
Q681	YEANC114YKX	Transistor	
Q701	YESAN073	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	YESAN076	Transistor	
Q705	YEAND1859T	Transistor	
Q708	YESAN074	Transistor	
Q720	YEANHQ1F3PT1	Transistor	
Q721	YEANC114YKX	Transistor	
Q762	YESAN074	Transistor	
Q780	YEANC114YKX	Transistor	
Q781	YESAN074	Transistor	
DIODEs			
D270	YESAD120	Diode	
D271	YESAD120	Diode	
D272	YESAD120	Diode	
D273	YESAD120	Diode	
D274	YESAD120	Diode	
D275	YESAD120	Diode	
D276	YESAD120	Diode	
D277	YESAD120	Diode	
D504	YESAD119	Zener Diode	
D601	LN25RP	LED	
D603	B0ACCK000005	Diode	
D650	B0ACCK000005	Diode	
D676	B0ADCJ000020	Diode	
D680	YEADRB501VT	Diode	
D681	YESAD119	Zener Diode	
D682	YEADRB501VT	Diode	
D683	B0ACCK000005	Diode	
D702	1SS133T77	Diode	
D703	YESAD096	Zener Diode	
D705	YEADRB501VT	Diode	
D706	YESAD117	Diode	
D707	YEADRB051L40	Diode	
D709	YESAD122	Zener Diode	
D710	YESAD119	Zener Diode	
D714	YESAD121	Diode	
D719	YEADRB501VT	Diode	
D768	YESAD095	Zener Diode	
D781	YESAD123	Zener Diode	
D782	YEADRB051L40	Diode	
CAPACITORs			
C51	YECUS1H470JC	Ceramic, 47pF 50WV	
C53	YESCC234	Ceramic, 0.01 μF 50WV	
C54	YESCC306	Electrolytic, 330mF 10WV	
C55	YESCC234	Ceramic, 0.01 μF 50WV	
C61	YESCC327	Ceramic, 0.018 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C62	YESCC327	Ceramic, 0.018 μF 50WV	
C65	YESCC233	Ceramic, 0.001 μF 50WV	
C66	YESCC226	Ceramic, 470pF 50WV	
C67	YESCC234	Ceramic, 0.01 μF 50WV	
C201	YESCC271	Ceramic, 68pF 50WV	
C202	YESCC271	Ceramic, 68pF 50WV	
C203	YESCC314	Electrolytic, 3.3 μF 50WV	
C204	YESCC191	Ceramic, 2.2 μF	
C207	YESCC228	Ceramic, 0.1 μF 16WV	
C208	YESCC230	Ceramic, 0.33 μF 16WV	
C209	YESCC191	Ceramic, 2.2 μF	
C210	YESCC228	Ceramic, 0.1 μF 16WV	
C220	YESCC312	Electrolytic, 2.2 μF 50WV	
C235	YESCC284	Ceramic, 0.18 μF 50WV	
C236	YESCC319	Ceramic, 0.082 μF 50WV	
C261	YESCC282	Electrolytic, 4.7 μF 50WV	
C263	YESCC229	Ceramic, 1 μF 16WV	
C265	YESCC282	Electrolytic, 4.7 μF 50WV	
C267	YESCC229	Ceramic, 1 μF 16WV	
C271	YESCC235	Ceramic, 0.0047 μF 50WV	
C272	YESCC235	Ceramic, 0.0047 μF 50WV	
C275	YESCC312	Electrolytic, 2.2 μF 50WV	
C276	YESCC308	Electrolytic, 100 μF 16WV	
C277	YESCC273	Electrolytic, 1 μF 50WV	
C278	YESCC228	Ceramic, 0.1 μF 16WV	
C279	YESCC310	Electrolytic, 4700 μF 16WV	
C280	YESCC228	Ceramic, 0.1 μF 16WV	
C282	YESCC305	Electrolytic, 22 μF 10WV	
C291	YESCC228	Ceramic, 0.1 μF 16WV	
C301	YESCC271	Ceramic, 68pF 50WV	
C302	YESCC271	Ceramic, 68pF 50WV	
C303	YESCC314	Electrolytic, 3.3 μF 50WV	
C304	YESCC191	Ceramic, 2.2 μF	
C308	YESCC230	Ceramic, 0.33 μF 16WV	
C309	YESCC276	Electrolytic, 10 μF 16WV	
C310	YESCC313	Electrolytic, 220 μF 10WV	
C320	YESCC312	Electrolytic, 2.2 μF 50WV	
C325	YECUS1H221JC	Ceramic, 220 μF 50WV	
C339	YESCC231	Ceramic, 0.022 μF 25WV	
C361	YESCC282	Electrolytic, 4.7 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C363	YESCC229	Ceramic, 1mF 16WV	
C365	YESCC282	Electrolytic, 4.7 μF 50WV	
C367	YESCC229	Ceramic, 1 μF 16WV	
C371	YESCC235	Ceramic, 0.0047 μF 50WV	
C372	YESCC235	Ceramic, 0.0047 μF 50WV	
C375	YESCC276	Electrolytic, 10 μF 16WV	
C378	YESCC228	Ceramic, 0.1 μF 16WV	
C381	YESCC233	Ceramic, 0.001 μF 50WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC275	Electrolytic, 100 μF 6.3WV	
C404	YESCC234	Ceramic, 0.01 μF 50WV	
C405	F1J1H101A025	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μF 50WV	
C412	YESCC325	Ceramic, 0.015 μF 25WV	
C413	ECQV1H104JL2	Plastic Film, 0.1 μF 50WV	
C417	YESCC311	Electrolytic, 680 μF 16WV	
C420	YECUS1H470JC	Ceramic, 47pF 50WV	
C421	YECUS1H470JC	Ceramic, 47pF 50WV	
C501	YECUS1H270JC	Ceramic, 27pF 50WV	
C502	YESCC219	Ceramic, 10pF 50WV	
C504	YESCC309	Electrolytic, 47 μF 16WV	
C505	YESCC228	Ceramic, 0.1 μF 16WV	
C506	YESCC234	Ceramic, 0.01 μF 50WV	
C507	YESCC224	Ceramic, 270pF 50WV	
C508	YESCC276	Electrolytic, 10 μF 16WV	
C601	YESCC279	Electrolytic, 0.047 μF 5WV	
C602	YESCC315	Electrolytic, 330 μF 6.3WV	
C605	YESCC234	Ceramic, 0.01 μF 50WV	
C624	YESCC228	Ceramic, 0.1 μF 16WV	
C628	YESCC228	Ceramic, 0.1 μF 16WV	
C631	YESCC229	Ceramic, 1mF 16WV	
C634	YECUS1H220JC	Ceramic, 22pF 50WV	
C635	YECUS1H220JC	Ceramic, 22pF 50WV	
C650	YESCC234	Ceramic, 0.01 μF 50WV	
C660	YESCC312	Electrolytic, 2.2 μF 50WV	
C680	YESCC191	Ceramic, 2.2 μF	
C681	YESCC228	Ceramic, 0.1 μF 16WV	
C683	YESCC282	Electrolytic, 4.7 μF 50WV	
C687	YESCC309	Electrolytic, 47 μF 16WV	
C688	YESCC228	Ceramic, 0.1 μF 16WV	
C689	YESCC191	Ceramic, 2.2 μF	

Ref. No.	Part No.	Part Name & Description	Remarks
C701	YESCC308	Electrolytic, 100 μF 16WV	
C702	YESCC282	Electrolytic, 4.7 μF 50WV	
C703	YESCC308	Electrolytic, 100 μF 16WV	
C704	YESCC283	Electrolytic, 47 μF 6.3WV	
C705	YESCC273	Electrolytic, 1 μF 50WV	
C706	YESCC312	Electrolytic, 2.2 μF 50WV	
C708	YESCC313	Electrolytic, 220 μF 10WV	
C709	YESCC308	Electrolytic, 100 μF 16WV	
C710	YESCC308	Electrolytic, 100 μF 16WV	
C711	YESCC229	Ceramic, 1 μF 16WV	
C712	YESCC229	Ceramic, 1 μF 16WV	
C713	YESCC255	Ceramic, 0.047 μF 50WV	
C715	YESCC311	Electrolytic, 680 μF 16WV	
C716	YESCC311	Electrolytic, 680 μF 16WV	
C717	YESCC228	Ceramic, 0.1 μF 16WV	
C718	YESCC229	Ceramic, 1 μF 16WV	
C752	YESCC228	Ceramic, 0.1 μF 16WV	
C770	YESCC200	Ceramic, 0.22 μF 25WV	
C771	YESCC276	Electrolytic, 10 μF 16WV	
C772	YESCC200	Ceramic, 0.22 μF 25WV	
C781	YESCC308	Electrolytic, 100 μF 16WV	
C786	YESCC228	Ceramic, 0.1 μF 16WV	
C787	YESCC307	Electrolytic, 120 μF 10WV	
C788	YESCC228	Ceramic, 0.1 μF 16WV	
C789	YESCC308	Electrolytic, 100 μF 16WV	
C791	YESCC228	Ceramic, 0.1 μF 16WV	
C792	YESCC234	Ceramic, 0.01 μF 50WV	
C793	YESCC200	Ceramic, 0.22 μF 25WV	
C795	YESCC313	Electrolytic, 220 μF 10WV	
C796	YESCC313	Electrolytic, 220 μF 10WV	
C797	YESCC234	Ceramic, 0.01 μF 50WV	
C798	YESCC228	Ceramic, 0.1 μF 16WV	
C799	YESCC255	Ceramic, 0.047 μF 50WV	
RESISTORs			
J802-814	YESRG132	Chip, 0 Ω W 1/4W	
J815	YESRG132	Chip, 0 Ω W 1/4W	
J818	YESRG132	Chip, 0 Ω W 1/4W	
J820	YESRG132	Chip, 0 Ω W 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J821-827	YESRG132	Chip, 0 Ω W 1/4W	
J830-837	YESRG132	Chip, 0 Ω W 1/4W	
J839-844	YESRG132	Chip, 0 Ω W 1/4W	
J846-856	YESRG132	Chip, 0 Ω W 1/4W	
J858-875	YESRG132	Chip, 0 Ω W 1/4W	
J877	YESRG132	Chip, 0 Ω W 1/4W	
J879-881	YESRG132	Chip, 0 Ω W 1/4W	
J890	YESRG132	Chip, 0 Ω W 1/4W	
J901	YESRG093	Chip, 0 Ω W 1/4W	
J902	YESRG093	Chip, 0 Ω W 1/4W	
J904-906	YESRG093	Chip, 0 Ω W 1/4W	
J910-913	YESRG093	Chip, 0 Ω W 1/4W	
J916-919	YESRG093	Chip, 0 Ω W 1/4W	
J921-924	YESRG093	Chip, 0 Ω W 1/4W	
J926	YESRG093	Chip, 0 Ω W 1/4W	
J927	YESRG093	Chip, 0 Ω W 1/4W	
J929	YESRG093	Chip, 0 Ω W 1/4W	
J950	YESRG093	Chip, 0 Ω W 1/4W	
J951	YESRG093	Chip, 0 Ω W 1/4W	
R50	YESRG127	Chip, 5.6W 1/8W	
R52	YESRG094	Chip, 100 Ω 1/8W	
R53	YESRG107	Chip, 220 Ω 1/8W	
R58	YESRG131	Chip, 8.2k Ω 1/8W	
R59	YESRG097	Chip, 100k Ω 1/8W	
R60	YESRG115	Chip, 33k Ω 1/8W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R66	YESRG182	Chip, 330k Ω 1/8W	
R67	YESRG108	Chip, 2.2k Ω 1/8W	
R68	YESRG095	Chip, 1k Ω 1/8W	
R201	YESRG134	Chip, 1k Ω 1/4W	
R202	YESRG095	Chip, 1k Ω 1/8W	
R204	YESRG125	Chip, 5.6k Ω 1/8W	
R205	YESRG096	Chip, 10k Ω 1/8W	
R207	YESRG136	Chip, 100k Ω 1/4W	
R208	YESRG144	Chip, 36k Ω 1/4W	
R225	YESRG095	Chip, 1k Ω 1/8W	
R226	YESRG095	Chip, 1k Ω 1/8W	
R227	YESRG093	Chip, 0 Ω 1/8W	
R235	YESRG096	Chip, 10kW 1/8W	
R261	YESRG103	Chip, 180 Ω 1/8W	
R262	YESRG096	Chip, 10k Ω 1/8W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG103	Chip, 180 Ω 1/8W	
R266	YESRG096	Chip, 10k Ω 1/8W	
R267	YESRG124	Chip, 560 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R275	YESRG109	Chip, 22k Ω 1/8W	
R280	YESRG097	Chip, 100k Ω 1/8W	
R283	YESRG115	Chip, 33k Ω 1/8W	
R301	YESRG134	Chip, 1k Ω 1/4W	
R302	YESRG134	Chip, 1k Ω 1/4W	
R304	YESRG125	Chip, 5.6k Ω 1/8W	
R305	YESRG096	Chip, 10k Ω 1/8W	
R307	YESRG136	Chip, 100k Ω 1/4W	
R308	YESRG144	Chip, 36k Ω 1/4W	
R325	YESRG096	Chip, 10k Ω 1/8W	
R325	YESRG096	Chip, 10k Ω 1/8W	
R326	YESRG096	Chip, 10k Ω 1/8W	
R326	YESRG096	Chip, 10k Ω 1/8W	
R361	YESRG103	Chip, 10k Ω 1/8W	
R362	YESRG096	Chip, 10k Ω 1/8W	
R362	YESRG096	Chip, 10k Ω 1/8W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG138	Chip, 180 Ω 1/4W	
R366	YESRG096	Chip, 10k Ω 1/8W	
R366	YESRG096	Chip, 10k Ω 1/8W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R375	YESRG137	Chip, 12k Ω 1/4W	
R381	YESRG120	Chip, 47k Ω 1/8W	
R382	YESRG096	Chip, 10k Ω 1/8W	
R382	YESRG096	Chip, 10k Ω 1/8W	
R383	YESRG120	Chip, 47k Ω 1/8W	
R384	YESRG096	Chip, 10k Ω 1/8W	
R384	YESRG096	Chip, 10k Ω 1/8W	
R401	YESRG100	Chip, 10k Ω 1/8W	
R402	YESRG109	Chip, 22k Ω 1/8W	
R403	YESRG120	Chip, 47k Ω 1/8W	
R408	YESRG148	Chip, 47k Ω 1/4W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG124	Chip, 560 Ω 1/8W	
R417	YESRG133	Chip, 10 Ω 1/4W	
R418	YESRG108	Chip, 2.2k Ω 1/8W	
R419	YESRG108	Chip, 2.2k Ω 1/8W	
R420	YESRG108	Chip, 2.2k Ω 1/8W	
R421	YESRG108	Chip, 2.2k Ω 1/8W	
R422	YESRG141	Chip, 2.2k Ω 1/4W	
R423	YESRG108	Chip, 2.2k Ω 1/8W	
R424	YESRG141	Chip, 2.2k Ω 1/4W	
R426	YESRG107	Chip, 220 Ω 1/8W	
R501	YESRG180	Chip, 2.2M Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R504	YESRG041	Chip, 270 Ω 1/4W	
R506	YESRG096	Chip, 10k Ω 1/8W	
R506	YESRG096	Chip, 10k Ω 1/8W	
R507	YESRG096	Chip, 10k Ω 1/8W	
R601	YESRG097	Chip, 100k Ω 1/8W	
R603	YESRG134	Chip, 1k Ω 1/4W	
R604	YESRG120	Chip, 47k Ω 1/8W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R609	YESRG101	Chip, 150k Ω 1/8W	
R610	YESRG097	Chip, 100k Ω 1/8W	
R611	YESRG147	Chip, 4.7k Ω 1/4W	
R618	YESRG136	Chip, 100k Ω 1/4W	
R619	YESRG134	Chip, 1k Ω 1/4W	
R620	YESRG134	Chip, 1k Ω 1/4W	
R621	YESRG095	Chip, 1k Ω 1/8W	
R622	YESRG095	Chip, 1k Ω 1/8W	
R623	YESRG134	Chip, 1k Ω 1/4W	
R624	YESRG119	Chip, 4.7k Ω 1/8W	
R625	YESRG096	Chip, 10k Ω 1/8W	
R626	YESRG131	Chip, 8.2k Ω 1/8W	
R627	YESRG097	Chip, 100k Ω 1/8W	
R628	YESRG139	Chip, 180k Ω 1/4W	
R633	YESRG119	Chip, 4.7k Ω 1/8W	
R634	YESRG126	Chip, 560k Ω 1/8W	
R638	YESRG095	Chip, 1k Ω 1/8W	
R640	YESRG120	Chip, 47k Ω 1/8W	
R641	YESRG120	Chip, 47k Ω 1/8W	
R642	YESRG128	Chip, 680 Ω 1/8W	
R643	YESRG095	Chip, 1k Ω 1/8W	
R644	YESRG114	Chip, 330 Ω 1/8W	
R645	YESRG114	Chip, 330 Ω 1/8W	
R650	YESRG097	Chip, 100k Ω 1/8W	
R651	YESRG097	Chip, 100k Ω 1/8W	
R652	YESRG136	Chip, 100k Ω 1/4W	
R653	YESRG097	Chip, 100k Ω 1/8W	
R656	YESRG097	Chip, 100k Ω 1/8W	
R657	YESRG097	Chip, 100k Ω 1/8W	
R659	YESRG095	Chip, 1k Ω 1/8W	
R660	YESRG124	Chip, 560 Ω 1/8W	
R661	YESRG125	Chip, 5.6k Ω 1/8W	
R662	YESRG086	Carbon, 47k Ω 1/4W	
R664	YESRG118	Chip, 470 Ω 1/8W	
R666	YESRG150	Chip, 5.6 Ω 1/4W	
R668	YESRG134	Chip, 1k Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R672	YESRG095	Chip, 1k Ω 1/8W	
R673	YESRG139	Chip, 180k Ω 1/4W	
R674	YESRG095	Chip, 1k Ω 1/8W	
R676	YESRG095	Chip, 1k Ω 1/8W	
R678	YESRG095	Chip, 1k Ω 1/8W	
R679	YESRG095	Chip, 1k Ω 1/8W	
R680	YESRG097	Chip, 100k Ω 1/8W	
R681	YESRG084	Carbon, 1k Ω 1/4W	
R682	YESRG113	Chip, 27k Ω 1/8W	
R683	YESRG097	Chip, 100k Ω 1/8W	
R684	YESRG097	Chip, 100k Ω 1/8W	
R685	YESRG134	Chip, 1k Ω 1/4W	
R687	YESRG084	Carbon, 1k Ω 1/4W	
R690	YESRG085	Carbon, 2.7k Ω 1/4W	
R692	YESRG095	Chip, 1k Ω 1/8W	
R694	YESRG112	Chip, 2.7k Ω 1/8W	
R695	YESRG085	Carbon, 2.7k Ω 1/4W	
R700	YESRG097	Chip, 100k Ω 1/8W	
R701	YESRG133	Chip, 10 Ω 1/4W	
R702	YESRG134	Chip, 1k Ω 1/4W	
R703	YESRG096	Chip, 10k Ω 1/8W	
R704	YESRG129	Chip, 680k Ω 1/8W	
R705	YESRG115	Chip, 33k Ω 1/8W	
R706	YESRG106	Chip, 200k Ω 1/8W	
R707	YESRG099	Chip, 12k Ω 1/8W	
R708	YESRG098	Chip, 11k Ω 1/8W	
R709	YESRG148	Chip, 47k Ω 1/4W	
R710	YESRG153	Chip, 820 Ω 1/4W	
R711	YESRG153	Chip, 820 Ω 1/4W	
R712	YESRG149	Chip, 560 Ω 1/4W	
R713	YESRG140	Chip, 1 Ω 1/4W	
R714	YESRG053	Carbon, 1k Ω 1/2W	
R715	YESRG090	Chip, 10k Ω 1/8W	
R716	YESRG092	Chip, 3.6k Ω 1/8W	
R717	YESRG091	Chip, 1.8k Ω 1/8W	
R731	YESRG084	Carbon, 1k Ω 1/4W	
R733	YESRG109	Chip, 22k Ω 1/8W	
R758	YESRG105	Chip, 18k Ω 1/8W	
R770	YESRG087	Carbon, 820 Ω 1/4W	
R771	YESRG140	Chip, 1 Ω 1/4W	
R781	YESRG145	Chip, 390 Ω 1/4W	
R782	YESRG089	Chip, 0.47 Ω 1W	
R805	YESRG095	Chip, 1k Ω 1/8W	
R806	YESRG123	Chip, 5.1k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R807	YESRG104	Chip, 1.8k Ω 1/8W	
R808	YESRG123	Chip, 5.1k Ω 1/8W	
R809	YESRG123	Chip, 5.1k Ω 1/8W	
R810	YESRG135	Chip, 10k Ω 1/4W	
R816	YESRG097	Chip, 100k Ω 1/8W	
R817	YESRG148	Chip, 47k Ω 1/4W	
R818	YESRG108	Chip, 2.2k Ω 1/8W	
R820	YESRG141	Chip, 2.2k Ω 1/4W	
R821	YESRG095	Chip, 1k Ω 1/8W	
R822	YESRG134	Chip, 1k Ω 1/4W	
CONNECTORs			
CN251	YESAJ07008	RCA Wire (CD.C-IN)	
CN601	YESAE363	Connector 15P	
CN602	YESAE339	Connector 4P	
CN661	YESFX021130	RCA Bracket	
CN681	YESAE344	Connector 18P	
CN701	YESAE351	Connector 16P	
J1	K2HA104B0010	Jack, RCA	
J11	YESAE343	DIN Jack	
SWITCH			
SW601	YEAS08042	Switch	
COILs			
L50	YESLQ028	Coil	
L51	G1C150K00011	Coil	
L401	YELT02C101KT	Coil	
L504	YESLQ027	Coil	
L702	G0A161J00001	Coil	
L709	YESLQ027	Coil	
L710	YESLQ012	Coil	
CRYSTALs			
XL401	YESXL021	Crystal	
XL501	YESXL019	Crystal	
XL601	YESXL017	Crystal	
XL602	H0A327200080	Crystal	
POSISTOR			
PH701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR/VARISTOR			
Z50	YESRTD008	Serge Protector	
Z701	YESRTD009	Varistor	

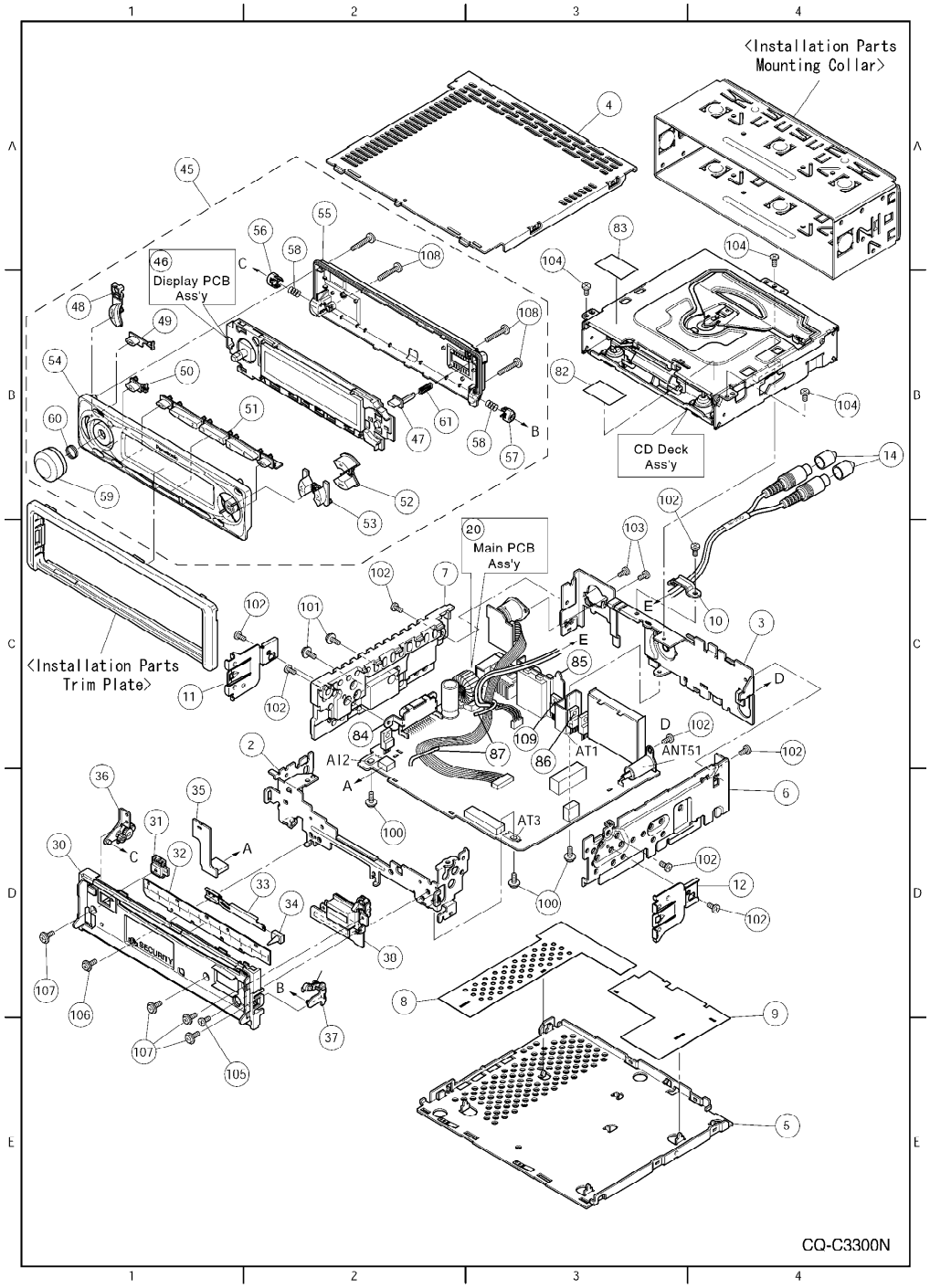
Ref. No.	Part No.	Part Name & Description	Remarks
[7204-05-01] Display Block			
IC's			
IC901	YEAMLC75854T	IC	
IC905	B3MBZ0000006	IC	
DIODEs			
D901-915	B3AAB0000143	LED	
D926	YESAD115	Zener Diode	
D927	YESAD115	Zener Diode	
D928	YESAD115	Zener Diode	
D929	YESAD115	Zener Diode	
D940	B3AFB0000039	LED	
D941	B3AFB0000039	LED	
D942	YESAD127	Zener Diode	
D943	YESAD127	Zener Diode	
CAPACITORs			
C910	YESCC233	Ceramic, 0.001 μ F 50WV	
C911	YESCC229	Ceramic, 1 μ F 16WV	
C912	YESCC229	Ceramic, 1 μ F 16WV	
C914	YESCC228	Ceramic, 0.1 μ F 16WV	
C915	YESCC228	Ceramic, 0.1 μ F 16WV	
C916	YESCC228	Ceramic, 0.1 μ F 16WV	
C923	YESCC271	Ceramic, 68pF 50WV	
RESISTORs			
J101	YESRG093	Chip, 0 Ω 1/8W	
J102	YESRG093	Chip, 0 Ω 1/8W	
R907	YESRG134	Chip, 1k Ω 1/4W	
R908	YESRG095	Chip, 1k Ω 1/8W	
R909	YESRG095	Chip, 1k Ω 1/8W	
R910	YESRG095	Chip, 1k Ω 1/8W	
R911	YESRG095	Chip, 1k Ω 1/8W	
R938	YESRG121	Chip, 4.7k Ω 1/8W	
R939	YESRG121	Chip, 4.7k Ω 1/8W	
R940	YESRG143	Chip, 330 Ω 1/4W	
R941	YESRG096	Chip, 10k Ω 1/8W	
R942	YESRG120	Chip, 47k Ω 1/8W	
R943	YESRG093	Chip, 0 Ω 1/8W	
R944	YESRG143	Chip, 330 Ω 1/4W	
R951	YESRG122	Chip, 510 Ω 1/8W	
R952	YESRG100	Chip, 1.5k Ω 1/8W	
R953	YESRG122	Chip, 510 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R954	YESRG122	Chip, 510 Ω 1/8W	
R955	YESRG122	Chip, 510 Ω 1/8W	
R956	YESRG130	Chip, 820 Ω 1/8W	
R958	YESRG093	Chip, 0 Ω 1/8W	
CONNECTOR			
CN901	YEAE012760	Connector 14P	
SWITCHes			
SW901	YESAS121	Switch	
SW903-905	K0H1BA000445	Switch	
SW907-918	K0H1BA000445	Switch	
LCD			
LCD901	YESXDCM010	LCD	
[7201-02-13] Eject Switch Block			
DIODEs			
D947	B3ABB0000154	LED	
D948	B3ABB0000154	LED	
CONNECTOR			
CJ642	K1KA04A00296	Connector 4P	
SWITCH			
SW610	K0H1BA000445	Switch	
[7201-02-14] Connector Block			
CONNECTORs			
CN640	K1KA15A00096	Connector 15P	
CP641	YEAE012761	Connector 14P	
Accessories			
PRINTINGs			
	YEFM284147	Operating Instructions	
	YEFM293099	Installation Instructions C	
	YEFM293100	Installation Instructions D	
INSTALLATION PARTS			
	YEFA131839	Removable Face Plate Case	
	YESFX018006	Mounting Collar	
	YESFC05020	Trim Plate	

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ02874	Power Connector	
	YESFZ263	Screws Kit (ISO Antenna adaptor Lock Cancel Plate Mounting Bolt)	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YELT03A330KT	Antenna Terminal	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA01071	Front Chassis	
3	YESFA08022	Rear Plate	
4	YESFA03053	Top Cover A	
5	YESFA05034	Bottom Cover Assy	
6	YESFA09004	Side Plate	
7	YESFF01081	Heat Sink	
8	YESFV01061	Insulated Sheet L	
9	YESFV01062	Insulated Sheet R	
10	YESFX007024	Cord Clamper	
11	YESFX005133	Plate Spring L	
12	YESFX005134	Plate Spring R	
14	YESFR04010	RCA Cap	
20	YESAP317	Main PCB Ass'y	RTL
30	YESFC02115	Escutcheon	
31	YESFE13116	Eject Button	
32	YESFS04016	Dust Felt	
33	YESFX999053	Lever Spring Detect	
34	YEFX9992957	Cap Lever Detect	
35	YESAP253	Eject PCB Ass'y	RTL
36	YESFX999050	Bracket Arm L Assy	
37	YESFX999051	Bracket Arm R Assy	
38	YESAP252	CN PCB/BKT Hook Assy	RTL
45	YESSDF0125	Removable Face Plate Unit	RTL
46	YESAP318	Display PCB Ass'y	RTL
47	YESFE13181	Open Button	
48	YESFE13182	Source Button	
49	YESFE13183	S HDB Button	
50	YESFE13187	TA Button	
51	YESFE13165	Preset Button	
52	YESFE13184	AF DISP Button	
53	YESFE13185	T-TRACK L Button	
54	YESFC02122	Escutheon Ass'y, Detachable	
55	YESFA07010	Rear Cover	
56	YESFX999054	Rear Cover Metal L	
57	YESFX999055	Rear Cover Metal R	
58	YESFX005135	Metal Spring	
59	YESFE07011	Vol Knob B	
60	YESFX005131	Knob Spring	
61	YESFX005136	Open Button Spring	
82	YESFM01083	Laser Seal	
83	YESFM01084	Laser Seal	
84	YESFX021129	Power IC Bracket	
85	YESFX021130	RCA Bracket	
86	YESFX014007	Rivet	
87	YESFX007023	Style Pin	

Ref. No.	Part No.	Part Name & Description	Remarks
100	YESJS01160	Cup Screw S Tite 3*6	
101	YESJS01160	Cup Screw 3*6	
102	YESJT03067	Tapping Bind Screw S Tite M3*6	
103	YESJS01166	Bind Screw 3.0*6.0	
104	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
105	YESJS01163	Bind S Tite 3*6	
106	YESJS01185	Cup Screw SP 2*5	
107	YESJS01159	Cup Screw 2*4	
108	YESJS01164	Tapping Screw P Black 2*8	
109	YESJT03069	Tapping Bind Screw 2.6*8	

12. EXPLODED VIEW (Unit) [CQ-C3300N]



13. REPLACEMENT PARTS LIST / [CQ-C3100AN/ 3100GN/3100VN]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have**

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

    - Order intake period is basically six months after the first shipment.

5. “A“, ”B”, “C” marks in remarks column are indicated as follows:

    - A : CQ-C3100AN
    - B : CQ-C3100GN
    - C : CQ-C3100VN

Ref. No.	Part No.	Part Name & Description	Remarks
[7204-02-11] Main Block			
IC's and TRANSISTORs			
IC201	C1BB00000543	IC	
IC231	C0ABBB000038	IC	
IC271	YESAM240	IC	
IC401	YESAM194	IC	
IC501	YESAM179	IC	
IC601	YESAM241	IC	
IC701	YEAMM51945AL	IC	
IC702	YESAM234	IC	
IC719	YESAM233	IC	
IC720	YESAM232	IC	
IC783	YESAM159	IC	
PA51	YESAP263	Tuner Pack	
Q52	B1GDCFLL0010	Transistor	
Q54	B1GBCFNN0004	Transistor	
Q55	YESAN075	Transistor	
Q66	B1ABCF000044	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q411	YEAN2SK536TB	FET	

Ref. No.	Part No.	Part Name & Description	Remarks
Q642	B1GBCFNN0004	Transistor	
Q644	B1GDCFJN0004	Transistor	
Q660	YESAN075	Transistor	
Q661	YEANA114TK	Transistor	
Q670	B1GDCFJJ0002	Transistor	
Q701	YESAN073	Transistor	
Q703	B1BCCF000017	Transistor	
Q704	YESAN076	Transistor	
Q705	YEAND1859T	Transistor	
Q708	YESAN074	Transistor	
Q720	YEANHQ1F3PT1	Transistor	
Q721	YEANC114YKX	Transistor	
Q761	B1GDCFJN0004	Transistor	
Q762	YESAN074	Transistor	
Q780	YEANC114YKX	Transistor	
Q781	YESAN074	Transistor	
DIODEs			
D270	YESAD120	Diode	
D271	YESAD120	Diode	
D272	YESAD120	Diode	
D273	YESAD120	Diode	
D274	YESAD120	Diode	
D275	YESAD120	Diode	
D276	YESAD120	Diode	
D277	YESAD120	Diode	
D504	YESAD119	Zener Diode	
D601	LN25RP	LED	
D603	B0ACCK000005	Diode	
D676	B0ADCJ000020	Diode	
D680	YEADRB501VT	Diode	
D681	YESAD119	Zener Diode	
D683	B0ACCK000005	Diode	
D702	1SS133T77	Diode	
D703	YESAD096	Zener Diode	
D705	YEADRB501VT	Diode	
D706	YESAD117	Diode	
D707	YEADRB051L40	Diode	
D709	YESAD122	Zener Diode	
D710	YESAD119	Zener Diode	
D714	YESAD121	Diode	
D719	YEADRB501VT	Diode	
D768	YESAD095	Zener Diode	
D781	YESAD123	Zener Diode	
D782	YEADRB051L40	Diode	
CAPACITORs			
C51	YECUS1H470JC	Ceramic, 47pF 50WV	
C53	YESCC234	Ceramic, 0.01 μF 50WV	
C54	YESCC306	Electrolytic, 330 μF 10WV	
C55	YESCC234	Ceramic, 0.01 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C61	YESCC327	Ceramic, 0.018 μF 50WV	
C62	YESCC327	Ceramic, 0.018 μF 50WV	
C65	YESCC233	Ceramic, 0.001 μF 50WV	
C66	YESCC226	Ceramic, 470pF 50WV	
C67	YESCC234	Ceramic, 0.01 μF 50WV	
C201	YESCC271	Ceramic, 68pF 50WV	
C202	YESCC271	Ceramic, 68pF 50WV	
C203	YESCC314	Electrolytic, 3.3 μF 50WV	
C207	YESCC228	Ceramic, 0.1 μF 16WV	
C208	YESCC230	Ceramic, 0.33 μF 16WV	
C209	YESCC191	Ceramic, 2.2 μF	
C210	YESCC228	Ceramic, 0.1 μF 16WV	
C220	YESCC312	Electrolytic, 2.2 μF 50WV	
C235	YESCC284	Ceramic, 0.18 μF 50WV	
C236	YESCC319	Ceramic, 0.082 μF 50WV	
C261	YESCC282	Electrolytic, 4.7 μF 50WV	
C263	YESCC200	Ceramic, 0.22 μF 25WV	
C265	YESCC282	Electrolytic, 4.7 μF 50WV	
C267	YESCC200	Ceramic, 0.22 μF 25WV	
C271	YESCC235	Ceramic, 0.0047 μF 50WV	
C272	YESCC235	Ceramic, 0.0047 μF 50WV	
C275	YESCC312	Electrolytic, 2.2 μF 50WV	
C276	YESCC308	Electrolytic, 100 μF 16WV	
C277	YESCC273	Electrolytic, 1 μF 50WV	
C278	YESCC228	Ceramic, 0.1 μF 16WV	
C279	YESCC310	Electrolytic, 4700 μF 16WV	
C280	YESCC228	Ceramic, 0.1 μF 16WV	
C282	YESCC305	Electrolytic, 22 μF 10WV	
C291	YESCC228	Ceramic, 0.1 μF 16WV	
C301	YESCC271	Ceramic, 68pF 50WV	
C302	YESCC271	Ceramic, 68pF 50WV	
C303	YESCC314	Electrolytic, 3.3 μF 50WV	
C308	YESCC230	Ceramic, 0.33 μF 16WV	
C309	YESCC276	Electrolytic, 10 μF 16WV	
C310	YESCC313	Electrolytic, 220 μF 10WV	
C320	YESCC312	Electrolytic, 2.2 μF 50WV	
C325	YECUS1H221JC	Ceramic, 220 μF 50WV	
C339	YESCC231	Ceramic, 0.022 μF 25WV	
C361	YESCC282	Electrolytic, 4.7 μF 50WV	
C363	YESCC200	Ceramic, 0.22 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C365	YESCC282	Electrolytic, 4.7 μF 50WV	
C367	YESCC200	Ceramic, 0.22 μF 25WV	
C371	YESCC235	Ceramic, 0.0047 μF 50WV	
C372	YESCC235	Ceramic, 0.0047 μF 50WV	
C375	YESCC276	Electrolytic, 10 μF 16WV	
C378	YESCC228	Ceramic, 0.1 μF 16WV	
C381	YESCC233	Ceramic, 0.001 μF 50WV	
C401	YECUS1H150JC	Ceramic, 15pF 50WV	
C402	YECUS1H150JC	Ceramic, 15pF 50WV	
C403	YESCC275	Electrolytic, 100 μF 6.3WV	
C404	YESCC234	Ceramic, 0.01 μF 50WV	
C405	F1J1H101A025	Ceramic, 100pF 50WV	
C411	YESCC234	Ceramic, 0.01 μF 50WV	
C412	YESCC325	Ceramic, 0.015 μF 25WV	
C413	ECQV1H104JL2	Plastic Film, 0.1 μF 50WV	
C417	YESCC311	Electrolytic, 680 μF 16WV	
C420	YECUS1H470JC	Ceramic, 47pF 50WV	
C421	YECUS1H470JC	Ceramic, 47pF 50WV	
C501	YECUS1H270JC	Ceramic, 27pF 50WV	
C502	YESCC219	Ceramic, 10pF 50WV	
C504	YESCC309	Electrolytic, 47 μF 16WV	
C505	YESCC228	Ceramic, 0.1 μF 16WV	
C506	YESCC234	Ceramic, 0.01 μF 50WV	
C507	YESCC224	Ceramic, 270pF 50WV	
C508	YESCC276	Electrolytic, 10 μF 16WV	
C601	YESCC279	Electrolytic, 0.047 μF 5WV	
C602	YESCC315	Electrolytic, 330 μF 6.3WV	
C605	YESCC234	Ceramic, 0.01 μF 50WV	
C624	YESCC228	Ceramic, 0.1 μF 16WV	
C628	YESCC228	Ceramic, 0.1 μF 16WV	
C631	YESCC229	Ceramic, 1 μF 16WV	
C634	YECUS1H220JC	Ceramic, 22pF 50WV	
C635	YECUS1H220JC	Ceramic, 22pF 50WV	
C660	YESCC312	Electrolytic, 2.2 μF 50WV	
C680	YESCC191	Ceramic, 2.2 μF	
C681	YESCC228	Ceramic, 0.1 μF 16WV	
C683	YESCC282	Electrolytic, 4.7 μF 50WV	
C687	YESCC309	Electrolytic, 47 μF 16WV	
C688	YESCC228	Ceramic, 0.1 μF 16WV	
C689	YESCC191	Ceramic, 2.2 μF	
C701	YESCC308	Electrolytic, 100 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C702	YESCC282	Electrolytic, 4.7 μ F 50WV	
C703	YESCC308	Electrolytic, 100 μ F 16WV	
C704	YESCC283	Electrolytic, 47 μ F 6.3WV	
C705	YESCC273	Electrolytic, 1 μ F 50WV	
C706	YESCC312	Electrolytic, 2.2 μ F 50WV	
C708	YESCC313	Electrolytic, 220 μ F 10WV	
C709	YESCC308	Electrolytic, 100 μ F 16WV	
C710	YESCC308	Electrolytic, 100 μ F 16WV	
C711	YESCC229	Ceramic, 1 μ F 16WV	
C712	YESCC229	Ceramic, 1 μ F 16WV	
C713	YESCC255	Ceramic, 0.047 μ F 50WV	
C715	YESCC311	Electrolytic, 680 μ F 16WV	
C716	YESCC311	Electrolytic, 680 μ F 16WV	
C717	YESCC228	Ceramic, 0.1 μ F 16WV	
C718	YESCC229	Ceramic, 1 μ F 16WV	
C752	YESCC228	Ceramic, 0.1 μ F 16WV	
C770	YESCC200	Ceramic, 0.22 μ F 25WV	
C771	YESCC276	Electrolytic, 10 μ F 16WV	
C772	YESCC200	Ceramic, 0.22 μ F 25WV	
C781	YESCC308	Electrolytic, 100 μ F 16WV	
C786	YESCC228	Ceramic, 0.1 μ F 16WV	
C787	YESCC275	Electrolytic, 100 μ F 6.3WV	
C788	YESCC228	Ceramic, 0.1 μ F 16WV	
C789	YESCC308	Electrolytic, 100 μ F 16WV	
C791	YESCC228	Ceramic, 0.1 μ F 16WV	
C792	YESCC234	Ceramic, 0.01 μ F 50WV	
C793	YESCC200	Ceramic, 0.22 μ F 25WV	
C795	YESCC313	Electrolytic, 220 μ F 10WV	
C796	YESCC313	Electrolytic, 220 μ F 10WV	
C797	YESCC234	Ceramic, 0.01 μ F 50WV	
C798	YESCC228	Ceramic, 0.1 μ F 16WV	
C799	YESCC255	Ceramic, 0.047 μ F 50WV	
RESISTORs			
J802-815	YESRG132	Chip, 0 Ω 1/4W	
J817	YESRG132	Chip, 0 Ω 1/4W	
J818	YESRG132	Chip, 0 Ω 1/4W	
J820-827	YESRG132	Chip, 0 Ω 1/4W	
J830-835	YESRG132	Chip, 0 Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J837	YESRG132	Chip, 0 Ω 1/4W	
J839-844	YESRG132	Chip, 0 Ω 1/4W	
J846-856	YESRG132	Chip, 0 Ω 1/4W	
J858-875	YESRG132	Chip, 0 Ω 1/4W	
J877	YESRG132	Chip, 0 Ω 1/4W	
J879-881	YESRG132	Chip, 0 Ω 1/4W	
J901	YESRG093	Chip, 0 Ω 1/8W	
J902	YESRG093	Chip, 0 Ω 1/8W	
J904-906	YESRG093	Chip, 0 Ω 1/8W	
J908	YESRG093	Chip, 0 Ω 1/8W	
J910-914	YESRG093	Chip, 0 Ω 1/8W	
J916-919	YESRG093	Chip, 0 Ω 1/8W	
J921-924	YESRG093	Chip, 0 Ω 1/8W	
J926	YESRG093	Chip, 0 Ω 1/8W	
J927	YESRG093	Chip, 0 Ω 1/8W	
J929	YESRG093	Chip, 0 Ω 1/8W	
R50	YESRG127	Chip, 5.6 Ω 1/8W	
R51	YESRG093	Chip, 0 Ω 1/8W	
R52	YESRG094	Chip, 100 Ω 1/8W	
R53	YESRG107	Chip, 220 Ω 1/8W	
R58	YESRG131	Chip, 8.2k Ω 1/8W	
R59	YESRG097	Chip, 100k Ω 1/8W	
R60	YESRG115	Chip, 33k Ω 1/8W	
R65	YESRG117	Chip, 39k Ω 1/8W	
R66	YESRG182	Chip, 330k Ω 1/8W	
R67	YESRG108	Chip, 2.2k Ω 1/8W	
R68	YESRG095	Chip, 1k Ω 1/8W	
R201	YESRG134	Chip, 1k Ω 1/4W	
R202	YESRG095	Chip, 1k Ω 1/8W	
R203	YESRG120	Chip, 47k Ω 1/8W	
R207	YESRG136	Chip, 100k Ω 1/4W	
R208	YESRG144	Chip, 36k Ω 1/4W	
R225	YESRG095	Chip, 1k Ω 1/8W	
R226	YESRG095	Chip, 1k Ω 1/8W	
R227	YESRG093	Chip, 0 Ω 1/8W	
R235	YESRG096	Chip, 10k Ω 1/8W	
R261	YESRG103	Chip, 180 Ω 1/8W	
R262	YESRG096	Chip, 10k Ω 1/8W	
R263	YESRG124	Chip, 560 Ω 1/8W	
R265	YESRG103	Chip, 180 Ω 1/8W	
R266	YESRG096	Chip, 10k Ω 1/8W	
R267	YESRG124	Chip, 560 Ω 1/8W	
R275	YESRG109	Chip, 22k Ω 1/8W	
R280	YESRG097	Chip, 100k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R283	YESRG115	Chip, 33k Ω 1/8W	
R301	YESRG134	Chip, 1k Ω 1/4W	
R302	YESRG134	Chip, 1k Ω 1/4W	
R303	YESRG120	Chip, 47k Ω 1/8W	
R307	YESRG136	Chip, 100k Ω 1/4W	
R308	YESRG144	Chip, 36k Ω 1/4W	
R325	YESRG096	Chip, 10k Ω 1/8W	
R326	YESRG096	Chip, 10k Ω 1/8W	
R361	YESRG103	Chip, 180 Ω 1/8W	
R362	YESRG096	Chip, 10k Ω 1/8W	
R363	YESRG124	Chip, 560 Ω 1/8W	
R365	YESRG138	Chip, 180 Ω 1/4W	
R366	YESRG096	Chip, 10k Ω 1/8W	
R367	YESRG124	Chip, 560 Ω 1/8W	
R375	YESRG137	Chip, 12k Ω 1/4W	
R381	YESRG120	Chip, 47k Ω 1/8W	
R382	YESRG096	Chip, 10k Ω 1/8W	
R383	YESRG120	Chip, 47k Ω 1/8W	
R384	YESRG096	Chip, 10k Ω 1/8W	
R401	YESRG100	Chip, 1.5k Ω 1/8W	
R402	YESRG109	Chip, 22k Ω 1/8W	
R403	YESRG120	Chip, 47k Ω 1/8W	
R408	YESRG148	Chip, 47k Ω 1/4W	
R413	YESRG104	Chip, 1.8k Ω 1/8W	
R414	YESRG124	Chip, 560 Ω 1/8W	
R417	YESRG133	Chip, 10 Ω 1/4W	
R418	YESRG108	Chip, 2.2k Ω 1/8W	
R419	YESRG108	Chip, 2.2k Ω 1/8W	
R420	YESRG108	Chip, 2.2k Ω 1/8W	
R422	YESRG141	Chip, 2.2k Ω 1/4W	
R423	YESRG108	Chip, 2.2k Ω 1/8W	
R424	YESRG141	Chip, 2.2k Ω 1/4W	
R426	YESRG107	Chip, 220 Ω 1/8W	
R501	YESRG180	Chip, 2.2M Ω 1/8W	
R504	YESRG041	Chip, 270 Ω 1/4W	
R506	YESRG096	Chip, 10k Ω 1/8W	
R507	YESRG096	Chip, 10k Ω 1/8W	
R510	YESRG093	Chip, 0 Ω 1/8W	
R601	YESRG097	Chip, 100k Ω 1/8W	
R604	YESRG120	Chip, 47k Ω 1/8W	
R605	YESRG095	Chip, 1k Ω 1/8W	
R609	YESRG101	Chip, 150k Ω 1/8W	
R610	YESRG097	Chip, 100k Ω 1/8W	
R611	YESRG147	Chip, 4.7k Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R613	YESRG097	Chip, 100k Ω 1/8W	
R614	YESRG136	Chip, 100k Ω 1/4W	
R615	YESRG136	Chip, 100k Ω 1/4W	
R616	YESRG097	Chip, 100k Ω 1/8W	
R618	YESRG136	Chip, 100k Ω 1/4W	
R619	YESRG134	Chip, 1k Ω 1/4W	
R620	YESRG134	Chip, 1k Ω 1/4W	
R621	YESRG095	Chip, 1k Ω 1/8W	
R622	YESRG095	Chip, 1k Ω 1/8W	
R623	YESRG134	Chip, 1k Ω 1/4W	
R624	YESRG119	Chip, 4.7k Ω 1/8W	
R625	YESRG096	Chip, 10k Ω 1/8W	
R626	YESRG131	Chip, 8.2k Ω 1/8W	
R627	YESRG097	Chip, 100k Ω 1/8W	
R628	YESRG139	Chip, 180k Ω 1/4W	
R631	YESRG093	Chip, 0 Ω 1/8W	
R632	YESRG093	Chip, 0 Ω 1/8W	
R633	YESRG119	Chip, 4.7k Ω 1/8W	
R634	YESRG126	Chip, 560k Ω 1/8W	
R638	YESRG095	Chip, 1k Ω 1/8W	
R640	YESRG120	Chip, 47k Ω 1/8W	
R641	YESRG120	Chip, 47k Ω 1/8W	
R642	YESRG128	Chip, 680 Ω 1/8W	
R643	YESRG095	Chip, 1k Ω 1/8W	
R644	YESRG114	Chip, 330 Ω 1/8W	
R645	YESRG114	Chip, 330 Ω 1/8W	
R656	YESRG097	Chip, 100k Ω 1/8W	
R657	YESRG097	Chip, 100k Ω 1/8W	
R659	YESRG095	Chip, 1k Ω 1/8W	
R660	YESRG124	Chip, 560 Ω 1/8W	
R661	YESRG125	Chip, 5.6k Ω 1/8W	
R662	YESRG086	Carbon, 47k Ω 1/4W	
R664	YESRG118	Chip, 470 Ω 1/8W	
R666	YESRG150	Chip, 5.6 Ω 1/4W	
R668	YESRG134	Chip, 1k Ω 1/4W	
R672	YESRG095	Chip, 1k Ω 1/8W	
R673	YESRG139	Chip, 180k Ω 1/4W	
R674	YESRG095	Chip, 1k Ω 1/8W	
R676	YESRG095	Chip, 1k Ω 1/8W	
R678	YESRG095	Chip, 1k Ω 1/8W	
R679	YESRG095	Chip, 1k Ω 1/8W	
R680	YESRG097	Chip, 100k Ω 1/8W	
R681	YESRG084	Carbon, 1k Ω 1/4W	
R682	YESRG113	Chip, 27k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R683	YESRG097	Chip, 100k Ω 1/8W	
R684	YESRG097	Chip, 100k Ω 1/8W	
R685	YESRG134	Chip, 1k Ω 1/4W	
R687	YESRG084	Carbon, 1k Ω 1/4W	
R689	YESRG093	Chip, 0 Ω 1/8W	
R690	YESRG084	Carbon, 1k Ω 1/4W	
R691	YESRG095	Chip, 1k Ω 1/8W	
R692	YESRG114	Chip, 330 Ω 1/8W	
R693	YESRG095	Chip, 1k Ω 1/8W	
R694	YESRG095	Chip, 1k Ω 1/8W	
R695	YESRG084	Carbon, 1k Ω 1/4W	
R696	YESRG095	Chip, 1k Ω 1/8W	
R697	YESRG120	Chip, 47k Ω 1/8W	
R698	YESRG120	Chip, 47k Ω 1/8W	
R699	YESRG120	Chip, 47k Ω 1/8W	
R700	YESRG097	Chip, 100k Ω 1/8W	
R701	YESRG133	Chip, 10 Ω 1/4W	
R702	YESRG134	Chip, 1k Ω 1/4W	
R703	YESRG096	Chip, 10k Ω 1/8W	
R704	YESRG129	Chip, 680k Ω 1/8W	
R705	YESRG115	Chip, 33k Ω 1/8W	
R706	YESRG106	Chip, 200k Ω 1/8W	
R707	YESRG099	Chip, 12k Ω 1/8W	
R708	YESRG098	Chip, 11k Ω 1/8W	
R709	YESRG148	Chip, 47k Ω 1/4W	
R710	YESRG153	Chip, 820 Ω 1/4W	
R711	YESRG153	Chip, 820 Ω 1/4W	
R712	YESRG149	Chip, 560 Ω 1/4W	
R713	YESRG140	Chip, 1 Ω 1/4W	
R714	YESRG053	Carbon, 1k Ω 1/2W	
R715	YESRG090	Chip, 10k Ω 1/8W	
R716	YESRG092	Chip, 3.6k Ω 1/8W	
R717	YESRG091	Chip, 1.8k Ω 1/8W	
R731	YESRG084	Carbon, 1k Ω 1/4W	
R733	YESRG109	Chip, 22k Ω 1/8W	
R758	YESRG105	Chip, 18k Ω 1/8W	
R770	YESRG087	Carbon, 820 Ω 1/4W	
R771	YESRG140	Chip, 1 Ω 1/4W	
R781	YESRG145	Chip, 390 Ω 1/4W	
R782	YESRG089	Chip, 0.47 Ω 1W	
R816	YESRG097	Chip, 100k Ω 1/8W	
R817	YESRG148	Chip, 47k Ω 1/4W	
R818	YESRG108	Chip, 2.2k Ω 1/8W	
R820	YESRG141	Chip, 2.2k Ω 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R821	YESRG095	Chip, 1k Ω 1/8W	
R822	YESRG134	Chip, 1k Ω 1/4W	
CONNECTORs			
CN601	YESAE363	Connector 15P	
CN602	YESAE339	Connector 4P	
CN681	YESAE340	Connector 22P	
CN701	YESAE351	Connector 16P	
J1	K2HA104B0010	Jack, RCA	
SWITCH			
SW601	YEAS08042	Switch	
COILs			
L50	YESLQ028	Coil	
L51	G1C150K00011	Coil	
L401	YELT02C101KT	Coil	
L504	YESLQ027	Coil	
L702	G0A161J00001	Coil	
L709	YESLQ027	Coil	
L710	YESLQ012	Coil	
CRYSTALs			
XL401	YESXL021	Crystal	
XL501	YESXL019	Crystal	
XL601	YESXL017	Crystal	
XL602	H0A327200080	Crystal	
POSISTOR			
PH701	YERT7AR4R7MT	Posistor	
SERGE PROTECTOR/VARISTOR			
Z50	YESRTD008	Serge Protector	
Z701	YESRTD009	Varistor	
[7204-05-01] Display Block (CQ-C3100AN)			
IC's			
IC901	YEAMLC75854T	IC	A
IC905	B3MBZ0000006	IC	A
DIODEs			
D901-914	YESAD108	LED	A
D915	B3AAB0000143	LED	A
D926-929	YESAD115	Zener Diode	A

Ref. No.	Part No.	Part Name & Description	Remarks
D940	YESAD106	LED	A
D941	YESAD106	LED	A
D942	YESAD127	Zener Diode	A
D943	YESAD127	Zener Diode	A
CAPACITORs			
C910	YESCC233	Ceramic, 0.001 μ F 50WV	A
C911	YESCC229	Ceramic, 1 μ F 16WV	A
C912	YESCC229	Ceramic, 1 μ F 16WV	A
C914-916	YESCC228	Ceramic, 0.1 μ F 16WV	A
C923	YESCC271	Ceramic, 68pF 50WV	A
RESISTORs			
J101	YESRG093	Chip, 0 Ω 1/8W	A
J102	YESRG093	Chip, 0 Ω 1/8W	A
R906	YESRG094	Chip, 100 Ω 1/8W	A
R907	YESRG134	Chip, 1k Ω 1/4W	A
R908-911	YESRG095	Chip, 1k Ω 1/8W	A
R938	YESRG121	Chip, 4.7k Ω 1/8W	A
R939	YESRG121	Chip, 4.7k Ω 1/8W	A
R940	YESRG047	Chip, 470 Ω 1/4W	A
R941	YESRG096	Chip, 10k Ω 1/8W	A
R942	YESRG120	Chip, 47k Ω 1/8W	A
R943	YESRG093	Chip, 0 Ω 1/8W	A
R944	YESRG047	Chip, 470 Ω 1/4W	A
R951	YESRG094	Chip, 100 Ω 1/8W	A
R953-955	YESRG094	Chip, 100 Ω 1/8W	A
R956	YESRG130	Chip, 820 Ω 1/8W	A
R958	YESRG093	Chip, 0 Ω 1/8W	A
R962	YESRG046	Chip, 200 Ω 1/4W	A
CONNECTOR			
CN901	YEAE012760	Connector 14P	A
SWITCHes			
SW901	YESAS121	Switch	A
SW903-918	K0H1BA000445	Switch	A
LCD			
LCD901	YESXDCM013	LCD	A
[7204-05-01] Display Block (CQ-C3100GN)			
IC's			

Ref. No.	Part No.	Part Name & Description	Remarks
IC901	YEAMLC75854T	IC	B
IC905	B3MBZ0000006	IC	B
DIODEs			
D901	YESAD110	LED	B
D902	YESAD110	LED	B
D903	YESAD109	LED	B
D904	YESAD110	LED	B
D905	YESAD110	LED	B
D906	YESAD109	LED	B
D907-914	YESAD110	LED	B
D915	B3AAB0000143	LED	B
D926-929	YESAD115	Zener Diode	B
D940	YESAD107	LED	B
D941	YESAD107	LED	B
D942	YESAD127	Zener Diode	B
D943	YESAD127	Zener Diode	B
CAPACITORs			
C910	YESCC233	Ceramic, 0.001 μF 50WV	B
C911	YESCC229	Ceramic, 1 μF 16WV	B
C912	YESCC229	Ceramic, 1 μF 16WV	B
C914	YESCC228	Ceramic, 0.1 μF 16WV	B
C915	YESCC228	Ceramic, 0.1 μF 16WV	B
C916	YESCC228	Ceramic, 0.1 μF 16WV	B
C923	YESCC271	Ceramic, 68pF 50WV	B
RESISTORs			
J101	YESRG093	Chip, 0 Ω 1/8W	B
J102	YESRG093	Chip, 0 Ω 1/8W	B
R943	YESRG093	Chip, 0 Ω 1/8W	B
R958	YESRG093	Chip, 0 Ω 1/8W	B
R906	YESRG094	Chip, 100 Ω 1/8W	B
R907	YESRG134	Chip, 1k Ω 1/4W	B
R908-911	YESRG095	Chip, 1k Ω 1/8W	B
R938	YESRG121	Chip, 4.7k Ω 1/8W	B
R939	YESRG121	Chip, 4.7k Ω 1/8W	B
R940	YESRG143	Chip, 330 Ω 1/4W	B
R944	YESRG143	Chip, 330 Ω 1/4W	B
R941	YESRG096	Chip, 10k Ω 1/8W	B
R942	YESRG120	Chip, 47k Ω 1/8W	B
R951	YESRG177	Chip, 110 Ω 1/8W	B
R953-955	YESRG177	Chip, 110 Ω 1/8W	B
R956	YESRG130	Chip, 820 Ω 1/8W	B
R962	YESRG041	Chip, 270 Ω 1/4W	B

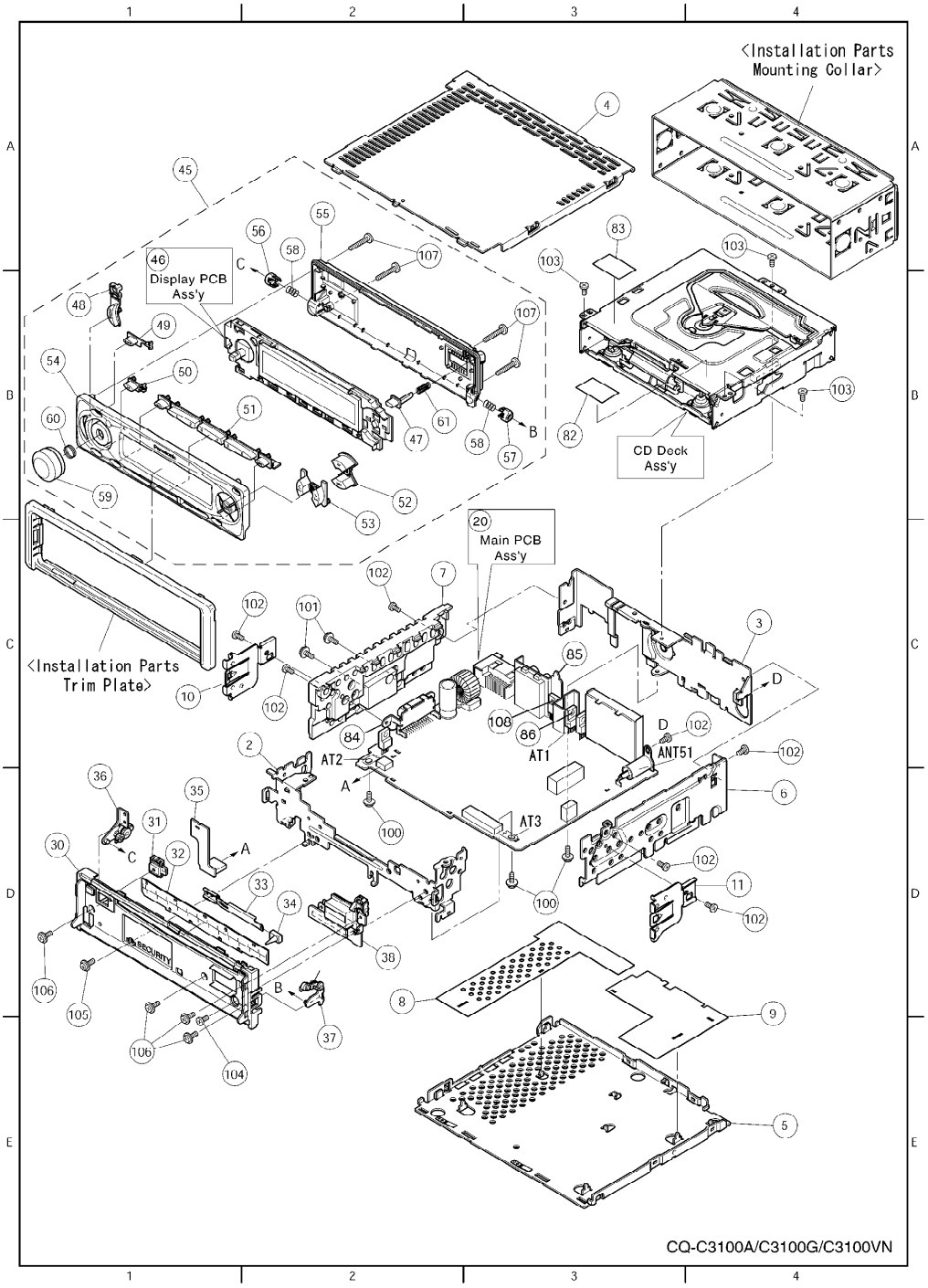
Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTOR			
CN901	YEAE012760	Connector 14P	B
SWITCHes			
SW901	YESAS121	Switch	B
SW903-905	K0H1BA000445	Switch	B
SW907-918	K0H1BA000445	Switch	B
LCD			
LCD901	YESXDCM015	LCD	B
[7204-05-01] Display Block (CQ-C3100VN)			
IC's			
IC901	YEAMLC75854T	IC	C
IC905	B3MBZ0000006	IC	C
DIODEs			
D901-915	B3AAB0000143	LED	C
D926-929	YESAD115	Zener Diode	C
D940	YESAD105	LED	C
D941	YESAD105	LED	C
D944	YESAD105	LED	C
D942	YESAD127	Zener Diode	C
D943	YESAD127	Zener Diode	C
D945	YESAD127	Zener Diode	C
CAPACITOs			
C910	YESCC233	Ceramic, 0.001 μ F 50WV	C
C911	YESCC229	Ceramic, 1 μ F 16WV	C
C912	YESCC229	Ceramic, 1 μ F 16WV	C
C914-916	YESCC228	Ceramic, 0.1 μ F 16WV	C
C923	YESCC271	Ceramic, 68pF 50WV	C
RESISTORs			
J101	YESRG093	Chip, 0 Ω 1/8W	C
J102	YESRG093	Chip, 0 Ω 1/8W	C
R906	YESRG094	Chip, 100 Ω 1/8W	C
R907	YESRG134	Chip, 1k Ω 1/4W	C
R908-911	YESRG095	Chip, 1k Ω 1/8W	C
R938	YESRG121	Chip, 4.7k Ω 1/8W	C
R939	YESRG121	Chip, 4.7k Ω 1/8W	C
R940	YESRG047	Chip, 470 Ω 1/4W	C

Ref. No.	Part No.	Part Name & Description	Remarks
R941	YESRG096	Chip, 10k Ω 1/8W	C
R942	YESRG120	Chip, 47k Ω 1/8W	C
R943	YESRG093	Chip, 0 Ω 1/8W	C
R944	YESRG047	Chip, 470 Ω 1/4W	C
R946	YESRG047	Chip, 470 Ω 1/4W	C
R951	YESRG122	Chip, 510 Ω 1/8W	C
R952	YESRG100	Chip, 1.5k Ω 1/8W	C
R953-955	YESRG122	Chip, 510 Ω 1/8W	C
R956	YESRG130	Chip, 820 Ω 1/8W	C
R958	YESRG093	Chip, 0 Ω 1/8W	C
CONNECTORs			
CN901	YEAE012760	Connector 14P	C
SWITCHes			
SW901	YESAS121	Switch	C
SW903-905	K0H1BA000445	Switch	C
SW907-918	K0H1BA000445	Switch	C
LCD			
LCD901	YESXDCM014	LCD	C
[7201-02-13] Eject Switch Block			
DIODEs			
D947	B3ABB0000154	LED	C
D948	B3ABB0000154	LED	C
CONECTOR			
CJ642	K1KA04A00296	Connector 4P	C
SWITCHes			
SW610	K0H1BA000445	Switch	C
[7201-02-14] Connector Block			
CONNECTORs			
CN640	K1KA15A00096	Connector 15P	C
CP641	YEAE012761	Connector 14P	C
Accessories			
PRINTINGs			
	YEFM284147	Operating Instructions	C
	YEFM293099	Installation Instructions C	C
	YEFM293100	Installation Instructions D	C

Ref. No.	Part No.	Part Name & Description	Remarks
INSTALLATION PARTS			
	YEFA131839	Removable Face Plate Case	
	YESFX018006	Mounting Collar	
	YESFC05021	Trim Plate	
	YEAJ02874	Power Connector	
	YESFZ263	Screws Kit (ISO Antenna adaptor, Lock Cancel Plate, Mounting Bolt)	
MECHANICAL PARTS			
MISCELLANEOUS			
ANT51	YELT03A330KT	Antenna Terminal	
AT1-3	YESAT01028	Earth Terminal	
2	YESFA01071	Front Chassis	
3	YESFA08024	Rear Plate	A
3	YESFA08023	Rear Plate	B
3	YESFA08025	Rear Plate	C
4	YESFA03052	Top Cover	
5	YESFA05034	Bottom Cover Assy	
6	YESFA09004	Side Plate	
7	YESFF01081	Heat Sink	
8	YESFV01061	Insulated Sheet L	
9	YESFV01062	Insulated Sheet R	
10	YESFX005133	Plate Spring L	
11	YESFX005134	Plate Spring R	
20	YESAP316	Main PCB Ass'y	RTL
30	YESFC02115	Escutcheon	
31	YESFE13116	Eject Button	
32	YESFS04016	Dust Felt	
33	YESFX999053	Lever Spring Detect	
34	YEFX9992957	Cap Lever Detect	
35	YESAP253	Eject PCB Ass'y	RTL
36	YESFX999050	Bracket Arm L Assy	
37	YESFX999051	Bracket Arm R Assy	
38	YESAP252	CN PCB/BKT Hook Assy	RTL
45	YESSDF0120	Removable Face Plate Unit	RTL, A
45	YESSDF0142	Removable Face Plate Unit	RTL, B
45	YESSDF0122	Removable Face Plate Unit	RTL, C
46	YESAP319	Display PCB Ass'y	RTL, A
46	YESAP320	Display PCB Ass'y	RTL, B
46	YESAP321	Display PCB Ass'y	RTL, C
47	YESFE13161	Open Button	
48	YESFE13162	Source Button	
49	YESFE13163	S HDB Button	
50	YESFE13186	TA Button	
51	YESFE13165	Preset Button	
52	YESFE13184	AF DISP Button	
53	YESFE13185	T-TRACK L Button	
54	YESFC02123	Escutheon Ass'y, Detachable	A
54	YESFC02124	Escutheon Ass'y, Detachable	B
54	YESFC02125	Escutheon Ass'y, Detachable	C
55	YESFA07010	Rear Cover	

Ref. No.	Part No.	Part Name & Description	Remarks
56	YESFX999054	Rear Cover Metal L	
57	YESFX999055	Rear Cover Metal R	
58	YESFX005135	Metal Spring	
59	YESFE02021	Vol Knob B	
60	YESFX005131	Knob Spring	
61	YESFX005136	Open Button Spring	
82	YESFM01083	Laser Seal	
83	YESFM01084	Laser Seal	
84	YESFX021129	Power IC Bracket	
85	YESFX021130	RCA Bracket	
86	YESFX014007	Rivet	
100	YESJS01160	Cup Screw S Tite 3*6	
101	YESJS01160	Cup Screw 3*6	
102	YESJT03067	Tapping Bind Screw S Tite M3*6	
103	YESJT03066	Tapping Bind Screw S Tite M2.6*5	
104	YESJS01163	Bind S Tite 3*6	
105	YESJS01185	Cup Screw SP 2*5	
106	YESJS01159	Cup Screw 2*4	
107	YESJS01164	Tapping Screw P Black 2*8	
108	YESJT03069	Tapping Bind Screw 2.6*8	

14. EXPLODED VIEW (Unit) [CQ-C3100AN/3100GN/3100VN]



15. CD PLAYER PARTS LIST / [CQ-C3300N]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any**

of these components, use only manufacturer's specified parts.

3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-05] CD Servo Block			
IC's and TRANSISTORs			
IC201	MN6627482WB	IC	
IC202	YESAM163	IC	
IC203	YESAM166	IC	
IC204	M5218AFP	IC	
IC401	YESAM176	IC	
IC402	YESAM224	IC	
IC406	YESAM171	IC	
IC409	YESAM167	IC	
IC411	YESAM178	IC	
Q101	B1BDBC000001	Transistor	
Q201	B1BDBC000001	Transistor	
Q203	YESAN060	Transistor	
CAPACITORs			
C101	YESCC203	Ceramic, 220pF 50WV	
C102	YESCC187	Ceramic, 0.1 μF 25WV	
C103	YESCC187	Ceramic, 0.1 μF 25WV	
C104	YESCC206	Ceramic, 0.047 μF 25WV	
C105	F1H1H2220004	Ceramic, 0.0022 μF 50WV	
C106	YESCC207	Ceramic, 0.001 μF 50WV	
C107	YESCC206	Ceramic, 0.047 μF 25WV	
C108	YESCC204	Ceramic, 330pF 50WV	
C109	YESCC187	Ceramic, 0.1 μF 25WV	
C110	YESCC187	Ceramic, 0.1 μF 25WV	
C111	YESCC299	Ceramic, 0.022 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C112	YESCC183	Ceramic, 0.0022 μ F 50WV	
C113	YESCC208	Ceramic, 0.0015 μ F 50WV	
C114	YESCC207	Ceramic, 0.001 μ F 50WV	
C115	YESCC187	Ceramic, 0.1 μ F 25WV	
C116	YESCC187	Ceramic, 0.1 μ F 25WV	
C121	YESCC187	Ceramic, 0.1 μ F 25WV	
C122	YESCC207	Ceramic, 0.001 μ F 50WV	
C123	YESCC299	Ceramic, 0.022 μ F 50WV	
C124	YESCC187	Ceramic, 0.1 μ F 25WV	
C125	YESCC207	Ceramic, 0.001 μ F 50WV	
C126	YESCC210	Ceramic, 0.1 μ F 16WV	
C127	YESCC207	Ceramic, 0.001 μ F 50WV	
C128	YESCC205	Ceramic, 0.22 μ F 10WV	
C129	YESCC187	Ceramic, 0.1 μ F 25WV	
C130	YESCC207	Ceramic, 0.001 μ F 50WV	
C131	YESCC187	Ceramic, 0.1 μ F 25WV	
C132	YESCC187	Ceramic, 0.1 μ F 25WV	
C135	YESCC187	Ceramic, 0.1 μ F 25WV	
C136	YESCC187	Ceramic, 0.1 μ F 25WV	
C137	YESCC210	Ceramic, 0.1 μ F 16WV	
C138	YESCC210	Ceramic, 0.1 μ F 16WV	
C139	YESCC187	Ceramic, 0.1 μ F 25WV	
C140	YESCC187	Ceramic, 0.1 μ F 25WV	
C141	YESCC187	Ceramic, 0.1 μ F 25WV	
C151	YESCC188	Electrolytic, 10 μ F 16WV	
C152	YESCC213	Electrolytic, 22 μ F 6.3WV	
C153	YESCC213	Electrolytic, 22 μ F 6.3WV	
C154	YESCC215	Electrolytic, 220 μ F 10WV	
C203	YESCC209	Ceramic, 0.0033 μ F 50WV	
C204	YESCC209	Ceramic, 0.0033 μ F 50WV	
C205	YESCC187	Ceramic, 0.1 μ F 25WV	
C207	YESCC187	Ceramic, 0.1 μ F 25WV	
C208	YESCC202	Ceramic, 22pF 50WV	
C251	YESCC215	Electrolytic, 220 μ F 10WV	
C252	YESCC214	Electrolytic, 47 μ F 6.3WV	
C253	YESCC215	Electrolytic, 220 μ F 10WV	
C301	YESCC207	Ceramic, 0.001 μ F 50WV	
C302	YESCC207	Ceramic, 0.001 μ F 50WV	
C311	YESCC207	Ceramic, 0.001 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C312	YESCC207	Ceramic, 0.001 μF 50WV	
C321	YESCC187	Ceramic, 0.1 μF 25WV	
C356	YESCC213	Electrolytic, 22 μF 6.3WV	
C357	YESCC214	Electrolytic, 47 μF 6.3WV	
C358	YESCC213	Electrolytic, 22 μF 6.3WV	
C359	YESCC216	Electrolytic, 100 μF 16WV	
C360	YESCC188	Electrolytic, 10 μF 16WV	
C401	YESCC187	Ceramic, 0.1 μF 25WV	
C402	YESCC187	Ceramic, 0.1 μF 25WV	
C403	YESCC187	Ceramic, 0.1 μF 25WV	
C404	YESCC187	Ceramic, 0.1 μF 25WV	
C405	YESCC187	Ceramic, 0.1 μF 25WV	
C406	YESCC187	Ceramic, 0.1 μF 25WV	
C407	YESCC187	Ceramic, 0.1 μF 25WV	
C408	YESCC187	Ceramic, 0.1 μF 25WV	
C409	YESCC187	Ceramic, 0.1 μF 25WV	
C410	YESCC187	Ceramic, 0.1 μF 25WV	
C411	YESCC187	Ceramic, 0.1 μF 25WV	
C412	YESCC187	Ceramic, 0.1 μF 25WV	
C413	YESCC187	Ceramic, 0.1 μF 25WV	
C414	YESCC187	Ceramic, 0.1 μF 25WV	
C418	YESCC187	Ceramic, 0.1 μF 25WV	
C426	YESCC187	Ceramic, 0.1 μF 25WV	
C433	YESCC210	Ceramic, 0.1 μF 16WV	
C434	YESCC210	Ceramic, 0.1 μF 16WV	
C435	YESCC187	Ceramic, 0.1 μF 25WV	
C436	YESCC187	Ceramic, 0.1 μF 25WV	
C437	YESCC210	Ceramic, 0.1 μF 16WV	
C452	YESCC188	Electrolytic, 10 μF 16WV	
C463	YESCC214	Electrolytic, 47 μF 6.3WV	
C464	YESCC214	Electrolytic, 47 μF 6.3WV	
RESISTORs			
L302	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L303	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L304	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
L305	ERJ6GEY0R00V	Chip, 0 Ω 1/8W	
JP101	ERJ8GEY0R00V	Chip, 0 Ω 1/4W	
R101	ERJ3GEYJ4R7V	Chip, 4.7 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R103	YESRG067	Chip, 1.5k Ω 1/10W	
R104	YESRG077	Chip, 470 Ω 1/10W	
R105	YESRG074	Chip, 2.7k Ω 1/10W	
R106	YESRG025	Chip, 10k Ω 1/10W	
R107	YESRG074	Chip, 2.7k Ω 1/10W	
R108	YESRG076	Chip, 390k Ω 1/10W	
R109	YESRG069	Chip, 150k Ω 1/10W	
R110	YESRG025	Chip, 10k Ω 1/10W	
R111	YESRG070	Chip, 18k Ω 1/10W	
R113	YESRG066	Chip, 120k Ω 1/10W	
R114	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R115	YESRG022	Chip, 2.2k Ω 1/10W	
R116	YESRG022	Chip, 2.2k Ω 1/10W	
R117	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R118	YESRG068	Chip, 15k Ω 1/10W	
R119	YESRG021	Chip, 1k Ω 1/10W	
R120	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R121	YESRG072	Chip, 220k Ω 1/10W	
R122	YESRG081	Chip, 56k Ω 1/10W	
R123	YESRG066	Chip, 120k Ω 1/10W	
R125	YESRG077	Chip, 470 Ω 1/10W	
R126	YESRG074	Chip, 2.7k Ω 1/10W	
R127	YESRG072	Chip, 220k Ω 1/10W	
R128	YESRG020	Chip, 220 Ω 1/10W	
R129	YESRG082	Chip, 6.8k Ω 1/10W	
R130	YESRG065	Chip, 1M Ω 1/10W	
R131	YESRG022	Chip, 2.2k Ω 1/10W	
R133	YESRG022	Chip, 2.2k Ω 1/10W	
R136	YESRG022	Chip, 2.2k Ω 1/10W	
R137	YESRG021	Chip, 1k Ω 1/10W	
R138	YESRG021	Chip, 1k Ω 1/10W	
R139	YESRG021	Chip, 1k Ω 1/10W	
R140	YESRG021	Chip, 1k Ω 1/10W	
R141	YESRG021	Chip, 1k Ω 1/10W	
R142	YESRG021	Chip, 1k Ω 1/10W	
R143	YESRG071	Chip, 2M Ω 1/10W	
R201	YESRG082	Chip, 6.8k Ω 1/10W	
R202	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R204	YESRG021	Chip, 1k Ω 1/10W	
R205	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R206	YESRG070	Chip, 18k Ω 1/10W	
R207	YESRG078	Chip, 5.1k Ω 1/10W	
R208	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R209	YESRG078	Chip, 5.1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R210	ERJ3GEY0R00V	Chip, 0 Ω 1/10W	
R211	YESRG026	Chip, 27k Ω 1/10W	
R212	YESRG028	Chip, 47k Ω 1/10W	
R301	YESRG023	Chip, 3.9k Ω 1/10W	
R302	YESRG023	Chip, 3.9k Ω 1/10W	
R303	YESRG068	Chip, 15k Ω 1/10W	
R304	YESRG025	Chip, 10k Ω 1/10W	
R305	YESRG020	Chip, 220 Ω 1/10W	
R311	YESRG023	Chip, 3.9k Ω 1/10W	
R312	YESRG023	Chip, 3.9k Ω 1/10W	
R313	YESRG068	Chip, 15k Ω 1/10W	
R314	YESRG025	Chip, 10k Ω 1/10W	
R315	YESRG020	Chip, 220 Ω 1/10W	
R322	YESRG025	Chip, 10k Ω 1/10W	
R323	YESRG025	Chip, 10k Ω 1/10W	
R324	YESRG029	Chip, 100k Ω 1/10W	
R325	YESRG029	Chip, 100k Ω 1/10W	
R326	YESRG064	Chip, 100 Ω 1/10W	
R327	YESRG025	Chip, 10k Ω 1/10W	
R328	YESRG025	Chip, 10k Ω 1/10W	
R329	YESRG021	Chip, 1k Ω 1/10W	
R401	YESRG025	Chip, 10k Ω 1/10W	
R402	YESRG025	Chip, 10k Ω 1/10W	
R403	YESRG025	Chip, 10k Ω 1/10W	
R404	YESRG025	Chip, 10k Ω 1/10W	
R408	YESRG024	Chip, 4.7k Ω 1/10W	
R409	YESRG024	Chip, 4.7k Ω 1/10W	
R414	YESRG028	Chip, 47k Ω 1/10W	
R415	YESRG028	Chip, 47k Ω 1/10W	
R416	YESRG028	Chip, 47k Ω 1/10W	
R425	YESRG064	Chip, 100 Ω 1/10W	
R429	YESRG020	Chip, 220 Ω 1/10W	
R430	YESRG080	Chip, 560 Ω 1/10W	
R431	YESRG024	Chip, 4.7k Ω 1/10W	
R432	YESRG025	Chip, 10k Ω 1/10W	
R434	YESRG029	Chip, 100k Ω 1/10W	
R435	YESRG024	Chip, 4.7k Ω 1/10W	
R478	YESRG079	Chip, 56 Ω 1/10W	
R480	YESRG079	Chip, 56 Ω 1/10W	
R481	YESRG024	Chip, 4.7k Ω 1/10W	
R482	YESRG022	Chip, 2.2k Ω 1/10W	
R483	YESRG022	Chip, 2.2k Ω 1/10W	
CONNECTORs			

Ref. No.	Part No.	Part Name & Description	Remarks
CN101	YESAE345	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L401	YESLQ014	Coil	
L402	YESLQ014	Coil	
L403	YESLQ014	Coil	
L301	YESLQ011	Coil	
R428	YESLQ025	Inductor	
CRYSTAL			
X401	YESXL018	Crystal	
RESITOR NETWORKs			
RA401	YESXA003	Resistor Network, 56 ohms * 4	
RA402	YESXA003	Resistor Network, 56 ohms * 4	
RA403	YESXA003	Resistor Network, 56 ohms * 4	
RA405	YESXA003	Resistor Network, 56 ohms * 4	
RA406	YESXA003	Resistor Network, 56 ohms * 4	
RA407	YESXA003	Resistor Network, 56 ohms * 4	
RA408	YESXA003	Resistor Network, 56 ohms * 4	
RA409	YESXA003	Resistor Network, 56 ohms * 4	
RA410	YESXA003	Resistor Network, 56 ohms * 4	
RA413	YESXA003	Resistor Network, 56 ohms * 4	
RA412	YESXA002	Resistor Network, 100 ohms * 4	
RA414	YESXA002	Resistor Network, 100 ohms * 4	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01041	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	

Ref. No.	Part No.	Part Name & Description	Remarks
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX003004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZCDM002	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP304	Servo PCB Ass'y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
75	YESAJ07016	Spindle Motor Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube Spindle Motor	
79	YESFX024022	Wire Tube Mode Switch	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01040	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	

Ref. No.	Part No.	Part Name & Description	Remarks
122	YERJW01002	HL Washer 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.13	

16. EXPLODED VIEW (CD Deck) [CQ-C3300N]

17. CD PLAYER PARTS LIST / [CQ-C3100AN/3100GN/3100VN]

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-07] CD Servo Block			
IC's and TRANSISTORs			
IC1	YESAM148	IC	
IC4	YESAM226	IC	
Q2	B1BDBC000001	Transistor	
DIODE			
D2	YESAD093	Diode	
CAPACITORs			
C3	YESCC180	Chip, 8pF 50WV	
C4	YESCC181	Chip, 27pF 50WV	
C5	YESCC179	Chip, 4pF 50WV	
C6	YESCC187	Chip, 0.1 μF 25WV	
C7	YESCC187	Chip, 0.1 μF 25WV	
C8	F1H1H2220004	Chip, 0.0022 μF 50WV	
C9	YESCC187	Chip, 0.1 μF 25WV	
C10	YESCC187	Chip, 0.1 μF 25WV	
C11	YESCC187	Chip, 0.1 μF 25WV	
C12	YESCC187	Chip, 0.1 μF 25WV	
C16	YESCC195	Chip, 0.1 μF 50WV	
C17	YESCC187	Chip, 0.1 μF 25WV	
C19	YESCC187	Chip, 0.1 μF 25WV	
C20	YESCC185	Chip, 0.01 μF 50WV	
C21	YESCC185	Chip, 0.01 μF 50WV	
C24	YESCC188	Electrolytic, 10 μF 16WV	
C25	YESCC299	Chip, 0.022 μF 50WV	
C26	YESCC183	Chip, 0.0022 μF 50WV	
C27	YESCC183	Chip, 0.0022 μF 50WV	
C28	YESCC181	Chip, 27pF 50WV	
C30	YESCC182	Chip, 56pF 50WV	
C31	YESCC181	Chip, 27pF 50WV	
C32	YESCC188	Electrolytic, 10 μF 16WV	
C34	YESCC195	Chip, 0.1 μF 50WV	
C35	YESCC188	Electrolytic, 10 μF 16WV	
C38	YESCC189	Electrolytic, 100 μF 10WV	
C39	YESCC188	Electrolytic, 10 μF 16WV	
C40	YESCC189	Electrolytic, 100 μF 10WV	
C45	YESCC195	Chip, 0.1 μF 50WV	
C46	YESCC189	Electrolytic, 100 μF 10WV	
C47	YESCC195	Chip, 0.1 μF 50WV	
C51	YESCC194	Chip, 0.01 μF 250WV	
C52	YESCC185	Chip, 0.01 μF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C53	YESCC194	Chip, 0.01 μF 250WV	
RESISTORs			
J101	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J102	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J103	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J104	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J106	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J107	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J108	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J109	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J110	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J111	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J112	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J113	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J114	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J115	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J116	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J117	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J118	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J119	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J120	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J121	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J122	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J123	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J124	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J125	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J126	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J127	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J128	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J129	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J130	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J131	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J132	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J133	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J134	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J135	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J136	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J137	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J138	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J139	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J140	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J142	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J143	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J144	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J145	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J146	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J147	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J148	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J149	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J150	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J151	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J152	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J153	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J154	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J155	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J156	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J157	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J158	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J159	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J160	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J161	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J162	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J163	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J164	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J165	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J166	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J177	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J183	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J184	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J185	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R1	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R2	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R8	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R10	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R12	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R13	ERJ3GEYJ392V	Chip, 3.9k Ω 1/16W	
R14	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R20	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R21	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R22	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R27	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R28	ERJ8GEYJ104V	Chip, 100k Ω 1/4W	
R30	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	
R34	ERJ3GEYJ184V	Chip, 180k Ω 1/16W	
R37	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R39	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R40	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R41	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R46	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R47	ERJ8GEYJ473V	Chip, 47k Ω 1/4W	
R48	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R51	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R52	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R53	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R54	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R55	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R56	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R57	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R58	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R59	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R60	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R61	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R62	ERJ8GEYJ102V	Chip, 1k Ω 1/4W	
CRYSTAL			
X1	YESXL018	Ceramic Resonator	
COIL			
L1	YESLQ011	Coil	
CONNECTORs			
CN1	YESAE341	Connector	
CN2	YESAE350	FFC/FPC Connector	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01041	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	

Ref. No.	Part No.	Part Name & Description	Remarks
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX003004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZCDM002	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP305	Servo PCB Ass'y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
75	YESAJ07016	Spindle Motor Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	Wire Tube Spindle Motor	
79	YESFX024022	Wire Tube Mode Switch	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01040	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YERFW04004	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw 2*4	

Ref. No.	Part No.	Part Name & Description	Remarks
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 1.85*5*0.13	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.13	

18. EXPLODED VIEW (CD Deck) / [CQ-C3100AN/3100GN/3100VN]

19. WIRING DIAGRAM

19.1. Main Block (Top View)

19.2. Main Block (Bottom View)

19.3. Display Block

19.4. Eject/ Connector Block

19.5. CD Servo Block [CQ-C3300N] (Top View)

19.6. CD Servo Block [CQ-C3300N] (Bottom View)

19.7. CD Servo Block [CQ-C3100AN/3100GN/3100VN]

20. SCHEMATIC DIAGRAM

20.1. Main Block [CQ-C3300N]

20.2. Main Block [CQ-C3100AN/3100GN/3100VN]

20.3. Display Block

20.4. CD Servo Block [CQ-C3300N] -1

20.5. CD Servo Block [CQ-C3300N] -2

20.6. CD Servo Block [CQ-C3100AN/3100GN/3100VN]

21. BLOCK DIAGRAM

21.1. Main/Display Block

21.2. CD Servo Block [CQ-C3300N]

21.3. CD Servo Block [CQ-C3100AN/3100GN/3100VN]

22. SCHEMATIC DIAGRAM for Printing with A4 Size

22.1. Main Block [CQ-C3300N] (Left Side)

22.2. Main Block [CQ-C3300N] (Right Side)

22.3. Main Block [CQ-C3100AN/3100GN/3100VN] (Left Side)

22.4. Main Block [CQ-C3100AN/3100GN/3100VN] (Right Side)

22.5. Display Block (Left Side)

22.6. Display Block (Right Side)

22.7. CD Servo Block [CQ-C3300N] -1 (Left Side)

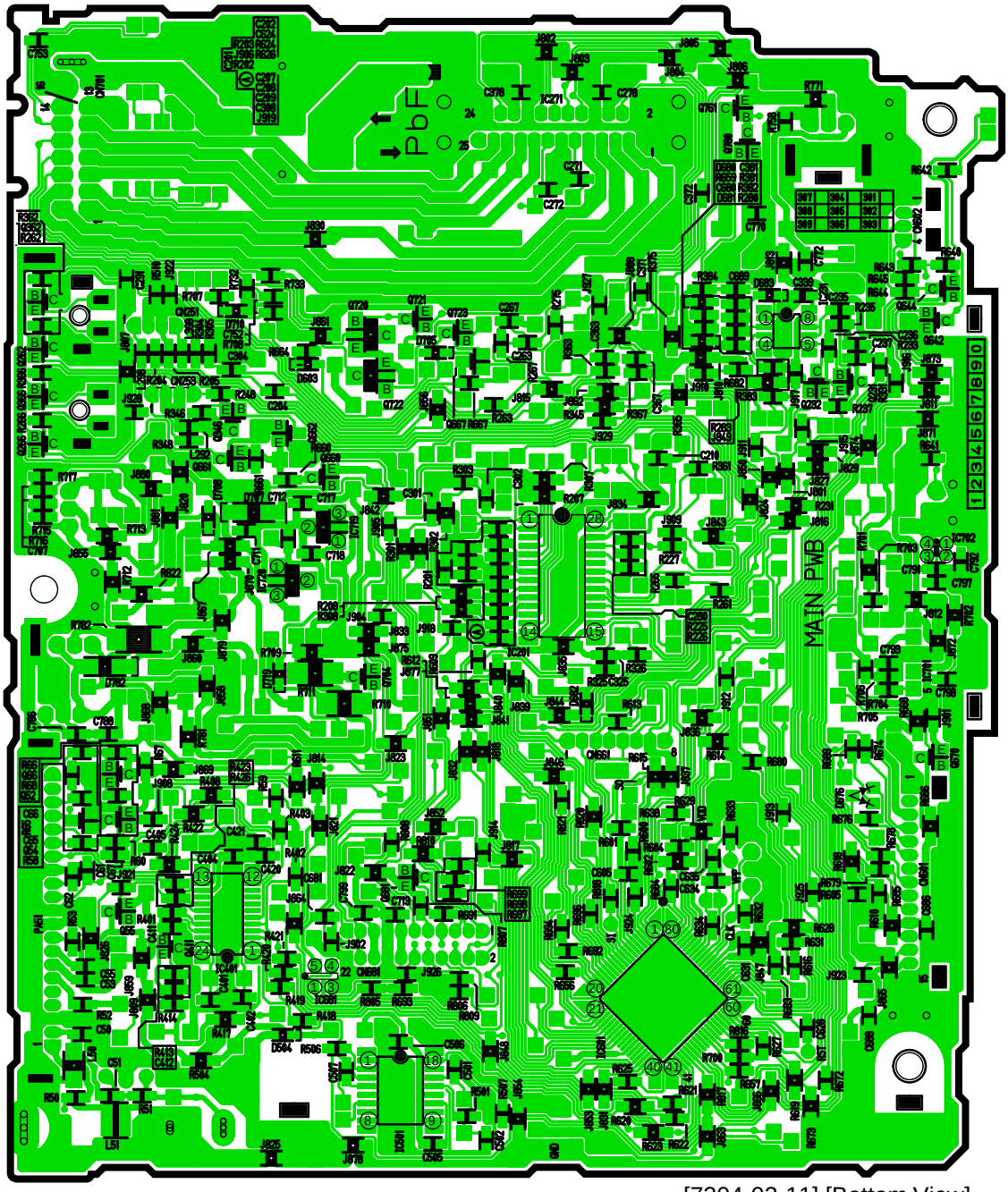
22.8. CD Servo Block [CQ-C3300N] -1 (Right Side)

22.9. CD Servo Block [CQ-C3300N] -2 (Left Side)

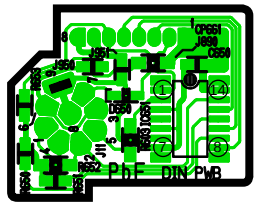
22.10. CD Servo Block [CQ-C3300N] -2 (Right Side)

22.11. CD Servo Block [CQ-C3100AN/3100GN/3100VN] (Left Side)

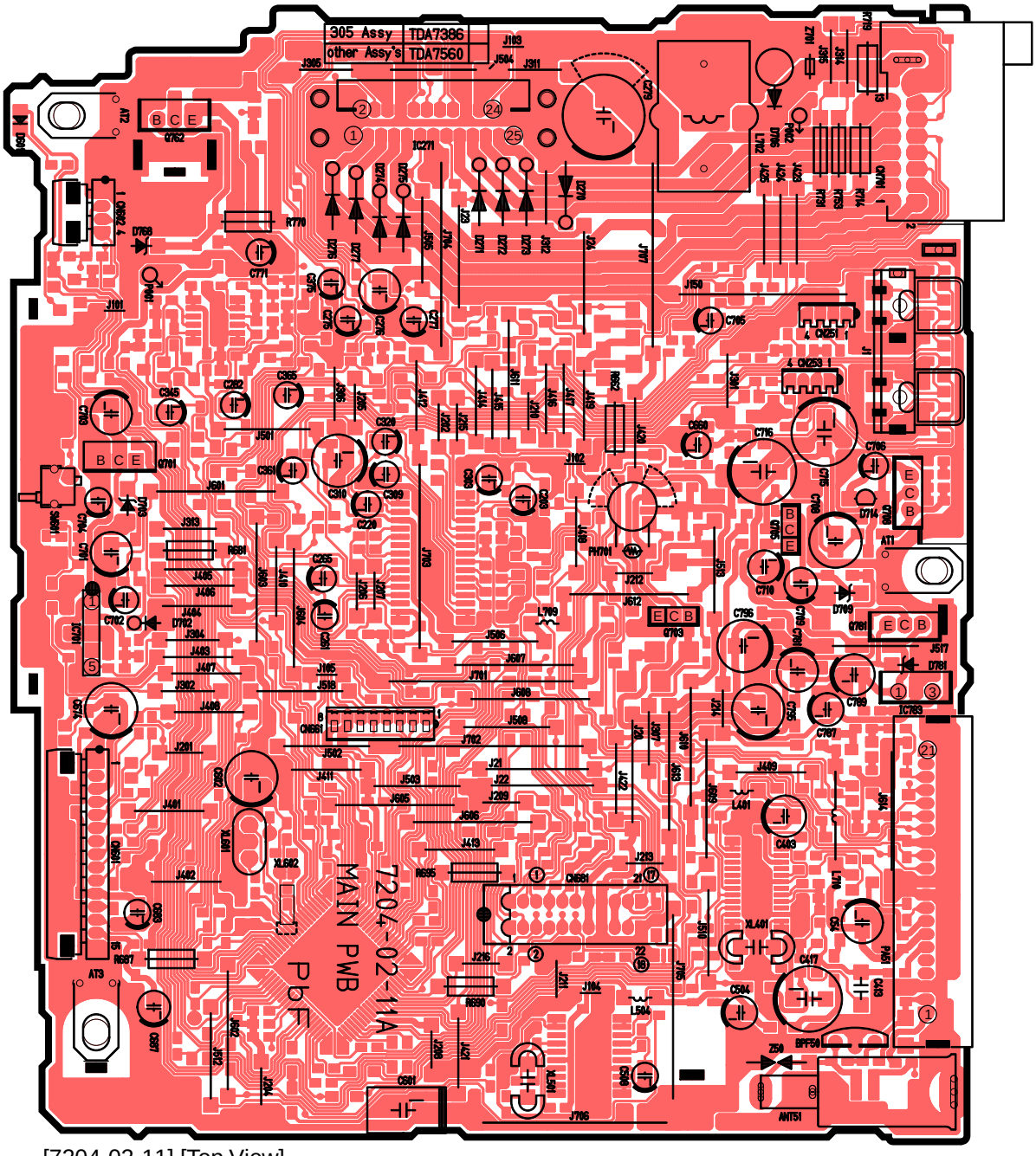
22.12. CD Servo Block [CQ-C3100N/3100AN/3100GN/3100VN] (Right Side)



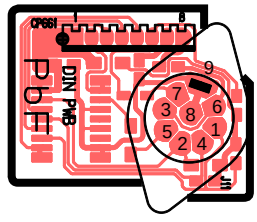
[7204-02-11] [Bottom View]



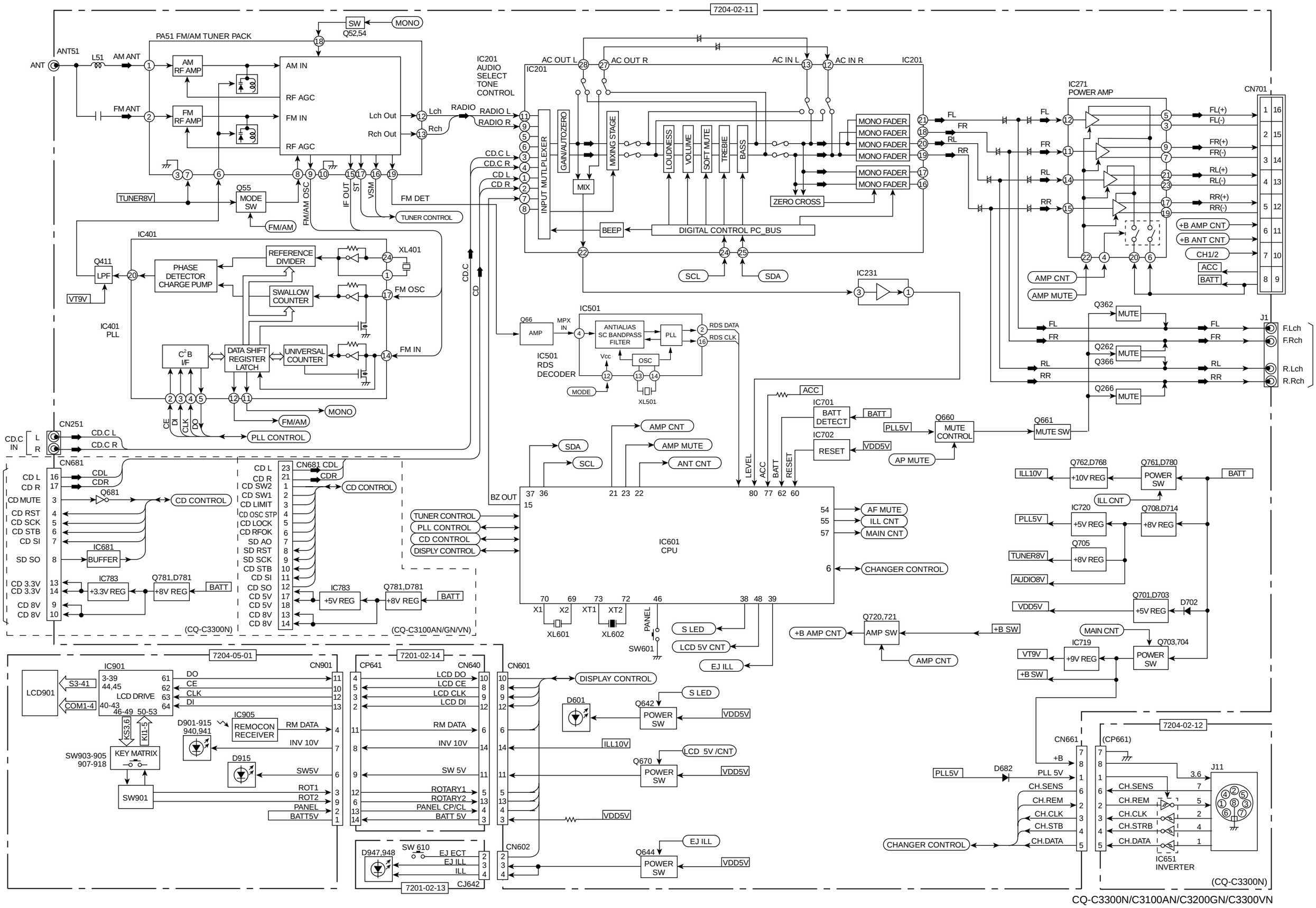
[7204-02-12][Bottom View]
(only for CN-C3000N)



[7204-02-11] [Top View]



[7204-02-12] [Top View]
(only for CN-C3000N)


7204-02-11
PA51 FM/AM TUNER PACK
ANT51
ANT
L51
AM ANT
FM ANT
AM RF AMP
FM RF AMP
AM IN
RF AGC
FM IN
Lch Out
Rch Out
RF AGC
SW
MONO
Q52,54
Lch
Rch
RADIO
TUNER8V
Q55
MODE SW
FM/AM
FM/AM OSC
IF OUT
ST
VSM
FM DET
TUNER CONTROL
IC201
AUDIO SELECT TONE CONTROL
IC201
AC OUT L
AC OUT R
AC IN L
AC IN R
IC201
RADIO L
RADIO R
CD.C L
CD.C R
CD L
CD R
INPUT MUTLPLEXER
GAIN/AUTOZERO
MIXING STAGE
MIX
LOUDNESS
VOLUME
SOFT MUTE
TREBIE
BASS
ZERO CROSS
MONO FADER
BEEP
DIGITAL CONTROL PC_BUS
SCL
SDA
IC271
POWER AMP
CN701
FL
FR
RL
RR
FL(+)
FL(-)
FR(+)
FR(-)
RL(+)
RL(-)
RR(+)
RR(-)
+B AMP CNT
+B ANT CNT
CH1/2
ACC
BATT
AMP CNT
AMP MUTE
IC231
IC401
IC401 PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER
DATA SHIFT REGISTER LATCH
UNIVERSAL COUNTER
C²B I/F
XL401
FM OSC
FM IN
Q411
LPF
VT9V
CE
DI
CLK
DO
FM/AM
MONO
PLL CONTROL
IC501
IC501 RDS DECODER
Q66
AMP
MPX IN
ANTIALIAS SC BANDPASS FILTER
PLL
RDS DATA
RDS CLK
Vcc
OSC
XL501
MODE
Q362
Q262
Q366
Q266
MUTE
J1
F.Lch
F.Rch
R.Lch
R.Rch
PRE OUT
CN251
CD.C IN
L
R
CD.C L
CD.C R
CN681
CDL
CDR
Q681
CD CONTROL
IC681
BUFFER
IC783
+3.3V REG
+8V REG
Q781,D781
BATT
+5V REG
(CQ-C3300N)
(CQ-C3100AN/GN/VN)
CD DECK
CD MUTE
CD RST
CD SCK
CD STB
CD SI
SD SO
CD 3.3V
CD 8V
CD SW1
CD SW2
CD LIMIT
CD OSC STP
CD LOCK
CD RFOK
SD AO
SD RST
SD SCK
SD STB
CD SO
CD 5V
IC601
CPU
BZ OUT
TUNER CONTROL
PLL CONTROL
CD CONTROL
DISPLY CONTROL
AF MUTE
ILL CNT
MAIN CNT
CHANGER CONTROL
X1
X2
XT1
XT2
XL601
XL602
PANEL
SW601
S LED
LCD 5V CNT
EJ ILL
LEVEL
ACC
BATT
RESET
IC701
BATT DETECT
IC702
RESET
PLL5V
VDD5V
AP MUTE
Q660
MUTE CONTROL
Q661
MUTE SW
Q762,D768
+10V REG
Q761,D780
POWER SW
ILL10V
ILL CNT
IC720
+5V REG
Q708,D714
+8V REG
Q705
+8V REG
TUNER8V
AUDIO8V
Q701,D703
+5V REG
D702
VDD5V
+B AMP CNT
Q720,721
AMP SW
+B SW
AMP CNT
MAIN CNT
IC719
+9V REG
Q703,704
POWER SW
VT9V
+B SW
7204-05-01
IC901
LCD901
S3-41
COM1-4
LCD DRIVE
KS3.6
KI1-5
KEY MATRIX
SW903-905
907-918
SW901
D901-915
940,941
IC905
REMOCON RECEIVER
D915
SW5V
ROT1
ROT2
PANEL
BATT5V
RM DATA
INV 10V
CN901
DO
CE
CLK
DI
7201-02-14
CP641
CN640
LCD DO
LCD CE
LCD CLK
LCD DI
SW 5V
ROTARY1
ROTARY2
PANEL CP/CL
BATT 5V
CN601
DISPLAY CONTROL
D601
Q642
Q670
Q644
POWER SW
LCD 5V /CNT
EJ ILL
CN602
7201-02-13
CJ642
D947,948
SW 610
EJ ECT
EJ ILL
ILL
7204-02-12
(CP661)
CN661
+B
PLL 5V
CH.SENS
CH.REM
CH.CLK
CH.STB
CH.DATA
D682
J11
IC651
INVERTER
CHANGER CONTROL
(CQ-C3300N)
CQ-C3300N/C3100AN/C3200GN/C3300VN

OPTICAL PICK UP
A
B
E
F
PD
LD
I-V AMP
FOCUS COIL
TRACKIG COIL
SLED MOTOR
SPINDLE MOTOR
SW1
SW2
RESET

CN102
DSP3.3V
IC1
RF AMP,ERROR AMP
RF EQ
GCA/BCA
SUBT
NRF DET
AGC
3TENV
BDO
OFTR
LD DRIVE
Q101
IC203
COIL/MOTER DRIVE
FOCUS COIL DRIVE
TRACKING COIL DRIVE
SLED MOTER DRIVE
SPINDLE MOTER DRIVE
MUTE
REO2
+3.3V REG
Q201
8V

IC201
DSP
ARF
RE ENV
OFT
RF DET
FE
TE
BDO
SERVO TIM. GEN.
A/D CONV
INPUT
TBAL
FBAL
LDON
FOD
KICK
TRD
TRV
TVD
ECM
ECS
SERVO CTL

EFM DEMOD
16K SRAM
ATT
DE-EMPH, OVER-SAMPL
DAC
Lch
Rch
SEL
SUB CODE BUFF
U-COM I/F
MDATA
MLD
MCLK
SRDATA
LRCK
BCLK
BLKCK
SQCK
SUBQ
M DATA
STAT
CLK ENA
VOC
CLK2
BUFF
IC409
X1
X401
X2
RST
IC411
3.3V
REG
CVDD

IC204
BUFFER

IC401
CPU

CN101
Lch
Rch
DC8V
DC8V
CD3.3V
CD3.3V
CD MUTE
CD SCK
CD ON
CD SI
CD SO
CD RST

IC402
FLASH MEMORY
FLASH MEMORY
X DECODE
ADDRESS BUFFER LATCH
A0–A18
Y DECODE
I/O BUFFER LATCH
D0–D15
IC406
WE
OE
LOGIC
DECODER
F/W
MSTRB

CDM-007

OPTICAL PICK-UP

IC1 RF AMP , DIGITAL SERVO , DIGITAL SIGNAL PROCESSOR

CN2

VCC 5V

A
B
E
F
PD
LD

I-V AMP

RF EQ
FOCUS ERROR
EFM DEMOD
D/A CONV
TRACKING ERRO R
SERVO CTL
I/F
OSC
X1
LD DRIVE

FD TD SD MD

LOUT
ROUT
LOCK
RST
AO
STB
SCK
SO
SI
RFOK
XTALEN

CN1

19 Lch
22 Rch
5 LOCK
7 RST
8 AC
9 STB
10 SCK
11 DSP SO
12 DSP SI
6 RFOK
3 XTALEN

IC2 COIL / MOTOR DRIVE

FOCUS COIL
TRACKING COIL
SLED MOTOR
SPINDLE MOTOR

F-
F+
T-
T+
SL-
SL+
SP-
SP+

FOCUS COIL DRIVE
TRACKING COIL DRIVE
SLED MOTOR DRIVE
SPINDLE MOTOR DRIVE

7V
5V

13 SW1
14 SW1
17 SW1
18 SW1

4 LIMIT SW
2 SW2
1 SW1

To 7204-02-11 CN681

CDM-014

CQ-C3100AN/C3100GN/C3100VN CD Deck Block

Printed in Japan (K) 2003.12
(Recycled Paper)

PA51

	FM	AM
1	0	0
2	0	0
3	0	0
4		
5		
6	1.3	1.7
7	7.9	7.9
8	7.9	0
9	2.3	2.3
10	0	0
11	0	0
12	3.6	3.7
13	3.6	3.6
14	0	0
15	0	0
16	0.4	0
17	4.9	4.9
18	0	0
19	0	0
20		
21		

IC601

	FM	AM	CD		FM	AM	CD
1	4.9	4.9	4.9	41	0	0	0
2	4.9	4.9	4.9	42	5.0	5.0	5.0
3	5.2	5.2	5.2	43	5.2	5.2	5.2
4	0	0	0	44	0	0	0
5	5.0	5.0	5.0	45	5.2	5.2	5.2
6	5.2	5.2	5.2	46	0	0	0
7	5.2	5.2	5.2	47	5.1	5.1	5.1
8	5.1	5.1	5.1	48	0	0	0
9	5.1	5.1	5.1	49			
10	5.1	5.1	5.1	50			
11	0	0	0	51	0	0	0
12	5.2	5.2	0	52	0	0	0
13	0	0	0	53	0	0	0
14	5.2	5.2	5.2	54	5.2	5.2	5.2
15	0	0	0	55	5.1	5.2	5.1
16	4.9	4.9	0	56	0	0	0
17	0	0	3.3	57	5.1	5.1	5.1
18	5.2	5.2	5.1	58			
19	0	0	0	59	0	0	0
20	0	0	5.2	60	5.2	5.2	5.2
21	5.1	5.1	5.1	61	5.0	5.0	5.0
22	5.1	5.1	0	62	5.1	5.1	5.1
23	5.2	5.2	5.2	63	0	0	0
24	0	0	5.2	64	0	0	0
25	0	0	4.6	65	5.1	5.1	5.1
26	0	0	4.9	66	5.1	5.1	5.1
27	0	0	4.9	67	0	0	0
28	0	0	0	68	5.2	5.2	5.2
29	0	0	0	69	3.1	3.1	3.1
30	5.2	5.2	0	70	2.5	2.5	2.5
31				71	0	0	0
32				72	2.9	2.9	2.9
33	0	0	0	73	2.6	2.6	2.6
34				74	5.2	5.2	5.2
35				75	5.2	5.2	5.2
36	5.2	5.2	5.2	76	0.2	0	0.5
37	5.2	5.2	5.2	77	4.8	4.8	4.8
38	0	0	0	78	0	0	0
39	5.2	5.2	5.2	79	0	0	0
40				80	0	0	0.5

The following symbols are shown on the schematic diagram.

	+B
	ACC
10V	10V
8V	8V
5V	5V
	RADIO(L,R)
	CD(L,R)
	AUDIO(L,R)

To 3032-14-07 CN1

To 7201-02-13 CJ642

To 7201-02-14 CN640

7204-02-11

PA51

	FM	AM
1	0	0
2	0	0
3	0	0
4		
5		
6	1.3	1.3
7	7.9	7.9
8	7.8	0
9	2.3	2.3
10	0	0
11	0	0
12	3.6	3.7
13	3.6	3.6
14	0	0
15	0	0
16	0.4	0
17	4.9	4.9
18	0	0
19	0	0
20		
21		

IC601

	FM	AM	CD	FM	AM	CD
1	4.9	4.9	4.9	43	0	0
2	4.9	4.9	4.9	42	5.0	5.0
3	5.2	5.2	5.2	43	5.2	5.2
4	0	0	0	44	0	0
5	5.0	5.0	5.0	45	5.2	5.2
6	5.2	5.2	5.2	46	0	0
7	5.2	5.2	5.2	47	5.1	5.1
8	5.1	5.1	5.1	48	0	0
9	5.1	5.1	5.1	49		
10	5.1	5.1	5.1	50		
11	0	0	0	51	0	0
12	5.2	5.2	0	52	0	0
13	0	0	0	53	0	0
14	5.2	5.2	5.2	54	5.2	5.2
15	0	0	0	55	5.1	5.1
16	4.9	4.9	0	56	0	0
17	0	0	3.3	57	5.1	5.1
18	5.2	5.2	5.1	58		
19	0	0	0	59	0	0
20	0	0	0	60	5.2	5.2
21	5.1	5.1	5.1	61	5.0	5.0
22	5.1	5.1	0	62	5.1	5.1
23	5.2	5.2	5.2	63	0	0
24	0	0	5.2	64	0	0
25	0	0	4.6	65	5.1	5.1
26	0	0	4.9	66	5.1	5.1
27	0	0	4.9	67	0	0
28	0	0	5.2	68	5.2	5.2
29	0	0	0	69	3.1	3.1
30	5.2	5.2	0	70	2.5	2.5
31				71	0	0
32				72	2.9	2.9
33	0	0	0	73	2.6	2.6
34				74	5.2	5.2
35				75	5.2	5.2
36	5.2	5.2	5.2	76	0.2	0.5
37	5.2	5.2	5.2	77	4.8	4.8
38	0	0	0	78	0	0
39	5.2	5.2	5.2	79	0	0
40				80	0	0.5

The following symbols are shown on the schematic diagram.

	+B
Acc	Acc
10V	10V
8V	8V
5V	5V
3.3V	3.3V
RADIO(L,R)	RADIO(L,R)
CD(L,R)	CD(L,R)
AUDIO(L,R)	AUDIO(L,R)

To 7204-02-12 (CP661)

To 3032-14-05 CN101

To 7201-02-13 CJ642

To 7201-02-14 CN640

7204-02-12

To 7204-02-11 CN661

CQ-C3300N MAIN

To
7204-02-11
CN681

3032-14-05

CN101

YESAM166

CH1 Spindle Motor
CH2 Feed Motor
CH3 Loading Motor (Not use)
CH4 Focus Coil
CH5 Tracking Coil

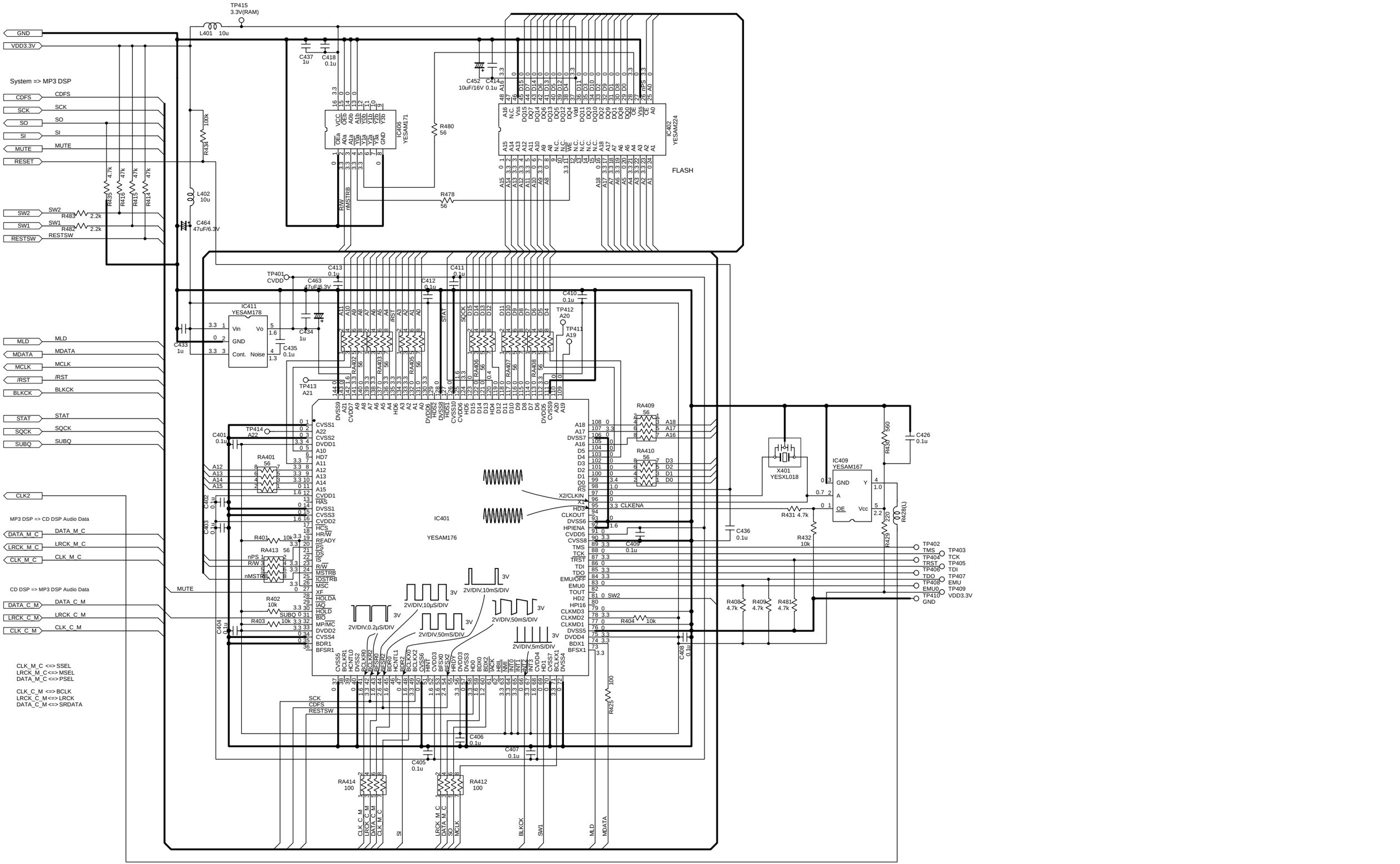
Optical Pick-up Ass'y

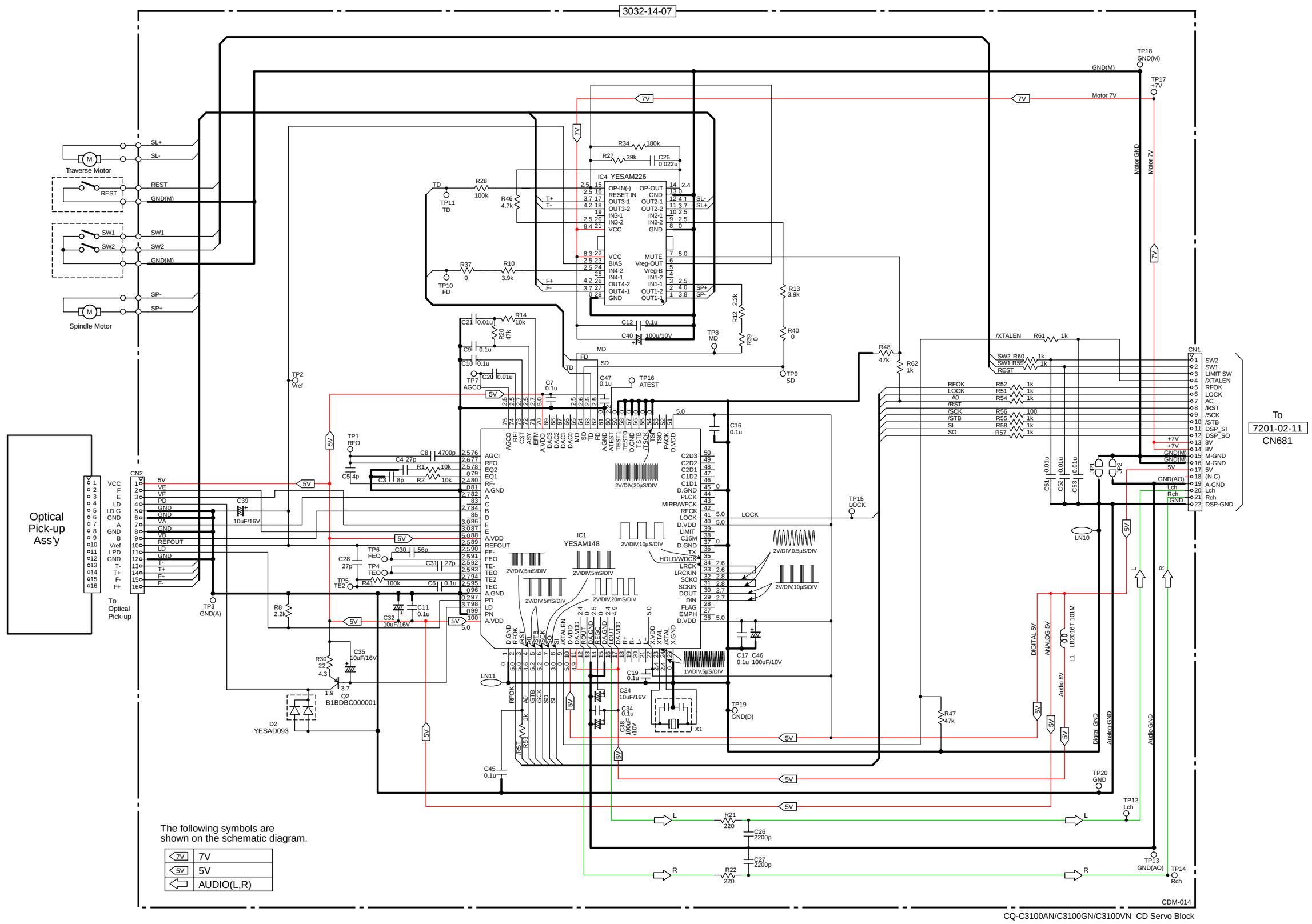
The following symbols are shown on the schematic diagram.

8V	8V
3.3V	3.3V
	AUDIO(L,R)

CLK_M_C <=> SSEL
LRCK_M_C<=> MSEL
DATA_M_C <=> PSEL

CLK_C_M <=> BCLK
LRCK_C_M<=> LRCK
DATA_C_M <=> SRDATA


TP415
3.3V(RAM)
L401 10u
GND
VDD3.3V
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
R435 4.7k
R415 47k
R415 47k
R414 47k
R434 100k
L402 10u
C464 47uF/6.3V
SW2
R483 2.2k
SW1
R482 2.2k
RESTSW
C437 1u
C418 0.1u
IC406 YESAM171
R480 56
R478 56
C452 10uF/16V
C414 0.1u
IC402 YESAM224
FLASH
R/W
nMSTRB
TP401
CVDD
C463 47uF/6.3V
C413 0.1u
C412 0.1u
C411 0.1u
C410 0.1u
TP412
A20
TP411
A19
IC411
YESAM178
Vin
Vo
GND
Cont.
Noise
C433 1u
C434 1u
C435 0.1u
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
TP413
A21
TP414
A22
C401 0.1u
RA401 56
C402 0.1u
C403 0.1u
R401 10k
RA413 56
nPS
R/W
nMSTRB
R402 10k
SUBQ
R403 10k
C404 0.1u
MUTE
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
IC401
YESAM176
3V
2V/DIV,10µS/DIV
2V/DIV,0.2µS/DIV
2V/DIV,50mS/DIV
2V/DIV,10mS/DIV
2V/DIV,5mS/DIV
RA409 56
RA410 56
RA404 10k
X401
YESXL018
IC409
YESAM167
R430 560
C426 0.1u
R431 4.7k
R432 10k
R429 220
R428(L)
C436 0.1u
C409 0.1u
R408 4.7k
R409 4.7k
R481 4.7k
TP402
TMS
TP404
TCK
TP406
TRST
TP408
TDI
TP410
TDO
EMU0
GND
TP403
TMS
TP405
TCK
TP407
TRST
TP409
EMU
VDD3.3V
C408 0.1u
R425 100
C406 0.1u
C407 0.1u
C405 0.1u
RA414 100
RA412 100


Traverse Motor
SL+
SL-
REST
GND(M)
SW1
SW2
GND(M)
Spindle Motor
SP-
SP+
IC4 YESAM226
OP-IN(-)
RESET IN
OUT3-1
OUT3-2
IN3-1
IN3-2
VCC
OP-OUT
GND
OUT2-1
OUT2-2
IN2-1
IN2-2
GND
VCC
BIAS
IN4-2
IN4-1
OUT4-2
OUT4-1
GND
MUTE
Vreg-OUT
Vreg-B
IN1-2
IN1-1
OUT1-2
OUT1-1
T+
T-
F+
F-
SL+
SL-
SP+
SP-
R34 180k
R27 39k
C25 0.022u
R28 100k
R46 4.7k
R37 0
R10 3.9k
R13 3.9k
R12 2.2k
R40 0
R39 0
C21 0.01u
R14 10k
R20 47k
C9 0.1u
C10 0.1u
C20 0.01u
C12 0.1u
C40 100u/10V
C7 0.1u
C47 0.1u
TP11 TD
TP10 FD
TP8 MD
TP9 SD
TP16 ATEST
TP7 AGCO
TP2 Vref
TP1 RFO
C8 4700p
C4 27p
C5 4p
C3 8p
R1 10k
R2 10k
C39 10uF/16V
C16 0.1u
TP15 LOCK
IC1 YESAM148
2V/DIV,20μS/DIV
2V/DIV,10μS/DIV
2V/DIV,0.5μS/DIV
2V/DIV,5mS/DIV
2V/DIV,20mS/DIV
1V/DIV,5μS/DIV
AGCI
RFO
EQ2
EQ1
RF-
A.GND
A
C
B
D
F
E
A.VDD
REFOUT
FE-
FEO
TE-
TEO
TE2
TEC
A.GND
PD
LD
PN
A.VDD
C2D3
C2D2
C2D1
C1D2
C1D1
D.GND
PLCK
MIRR/WFCK
RFCK
LOCK
D.VDD
LIMIT
C16M
D.GND
TX
HOLD/WDCK
LRCK
LRCKIN
SCKO
SCKIN
DOUT
DIN
FLAG
EMPH
D.VDD
CN2
VCC
F
E
LD
PD
GND
VA
GND
VB
REFOUT
LD
GND
T-
T+
F+
F-
5V
VE
VF
PD
GND
GND
VA
GND
VB
REFOUT
LD
GND
T-
T+
F+
F-
Optical Pick-up Ass'y
To Optical Pick-up
TP3 GND(A)
C28 27p
C30 56p
C31 27p
C6 0.1u
R41 100k
TP6 FEO
TP4 TEO
TP5 TE2
R8 2.2k
C32 10uF/16V
C11 0.1u
R30 22
4.3
C35 10uF/16V
Q2 B1BDBC000001
D2 YESAD093
LN11
C19 0.1u
C24 10uF/16V
C34 0.1u
C38 100uF /10V
X1
TP19 GND(D)
C45 0.1u
C17 C46 0.1u 100uF/10V
R47 47k
R48 47k
R62 1k
/XTALEN R61 1k
SW2 R60 1k
SW1 R59 1k
REST
RFOK R52 1k
LOCK R51 1k
A0 R54 1k
/RST
/SCK R56 100
/STB R55 1k
SI R58 1k
SO R57 1k
C51 0.01u
C52 0.01u
C53 0.01u
JP1
JP2
LN10
CN1
SW2
SW1
LIMIT SW
/XTALEN
RFOK
LOCK
AC
/RST
/SCK
/STB
DSP_SI
DSP_SO
8V
8V
M-GND
M-GND
5V
(N.C)
A-GND
Lch
Rch
DSP-GND
+7V
+7V
GND(M)
GND(M)
5V
GND(AO)
Lch
Rch
GND
To 7201-02-11 CN681
TP18 GND(M)
TP17 +7V
GND(M)
Motor 7V
Motor GND
Motor 7V
7V
5V
L
R
DIGITAL 5V
ANALOG 5V
Audio 5V
L1 LB2016T 101M
Digital GND
Analog GND
Audio GND
R21 220
C26 2200p
C27 2200p
R22 220
TP20 GND
TP12 Lch
TP13 GND(AO)
TP14 Rch
The following symbols are shown on the schematic diagram.
7V
5V
AUDIO(L,R)
CDM-014

*	R951	R952	R953	R954	R955	R962
3300N	510	1.5k	510	510	510	OPEN
3100AN	100	200	100	100	100	OPEN
3100GN	110	OPEN	110	110	110	270
3100VN	510	1.5k	510	510	510	OPEN

IC905
B3MBZ0000006
GND1 GND2
VCC OUT

SW901

SW905 DISP CLOCK
SW904 REP
SW903 M1 DISC ∨ MTL
SW910 LEVEL DIMMER
SW909 S-HOB LOUD
SW908 M2 DISC ∧ NR
SW907 TUNE ∨ TRACK ◀◀
SW914 M6 REP
SW913 M3 TPS
SW912 MUTE
SW911 TUNE ∧ TRACK ▶▶
SW918 M5 SCAN B.S
SW917 M4 R ▶
SW916 SOUR PWR
SW915 BAND AUTO.P CHANGER 1 2

IC901
YEAMLC75854T

LCD901

CN901
To 7201-02-14 CP641

CN640
To 7204-05-01 CN901
To 7204-02-11 CN601

CJ642
To 7204-02-11 CN602

*	R940	R944	R945
3300N	330	330	OPEN
3100AN	470	470	OPEN
3100GN	330	330	OPEN
3100VN	470	470	470

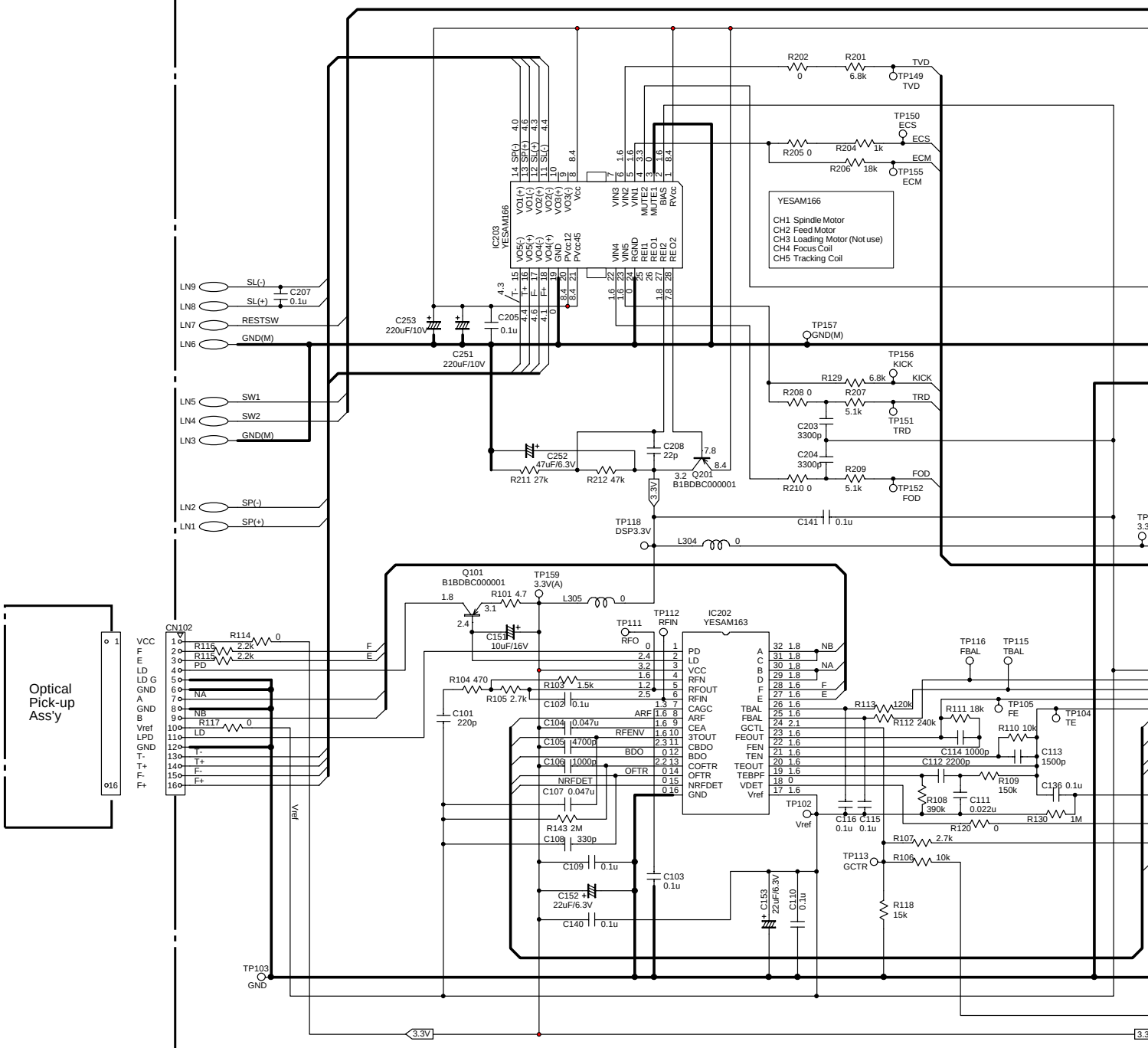
*	D944	D945
3300N	OPEN	OPEN
3100AN	OPEN	OPEN
3100GN	OPEN	OPEN
3100VN	YESAD127	YESAD127

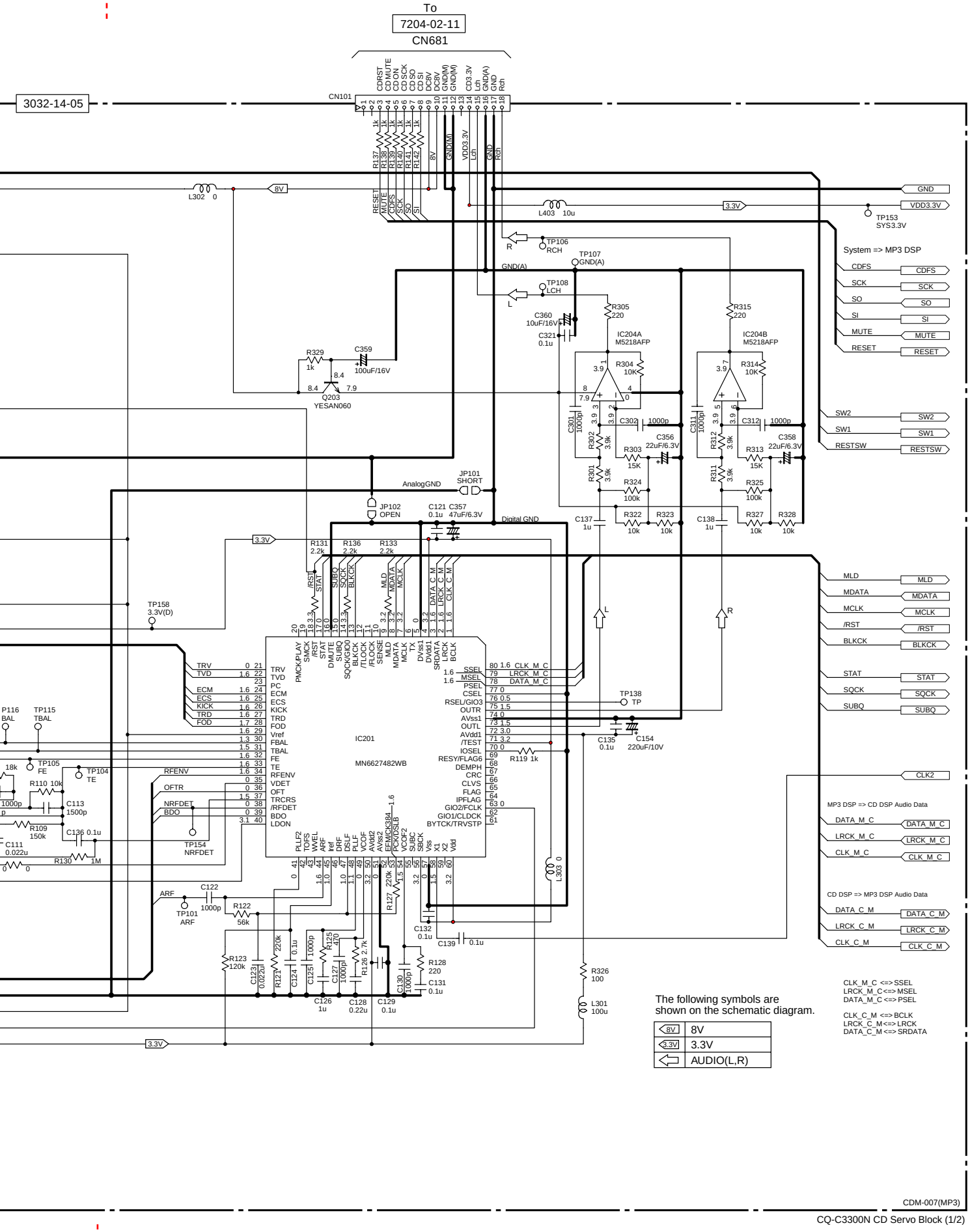
The following symbols are shown on the schematic diagram.

10V	10V
5V	5V

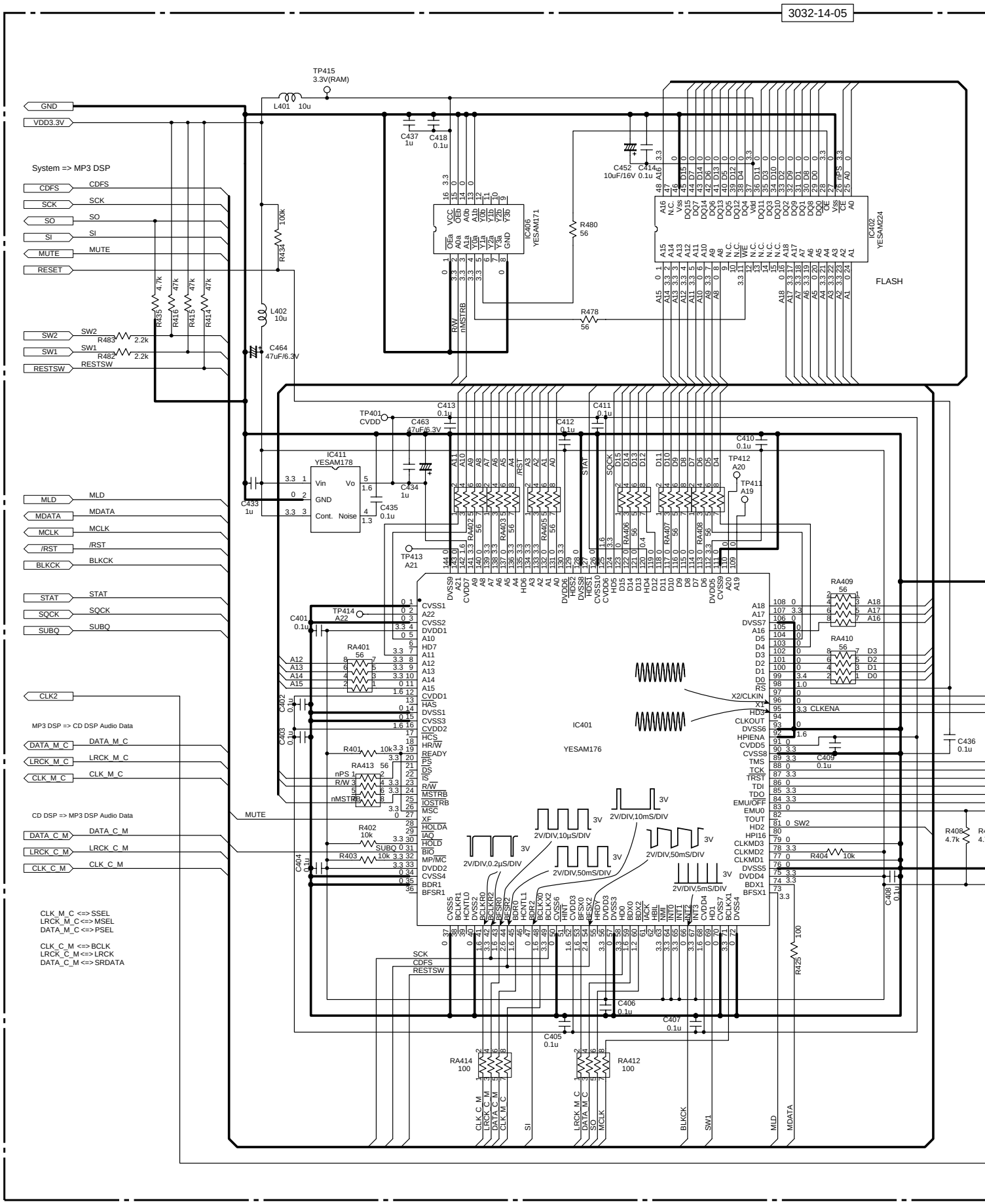
20.4. CD Servo Block [CQ-C3300N] -1

3032-14-05

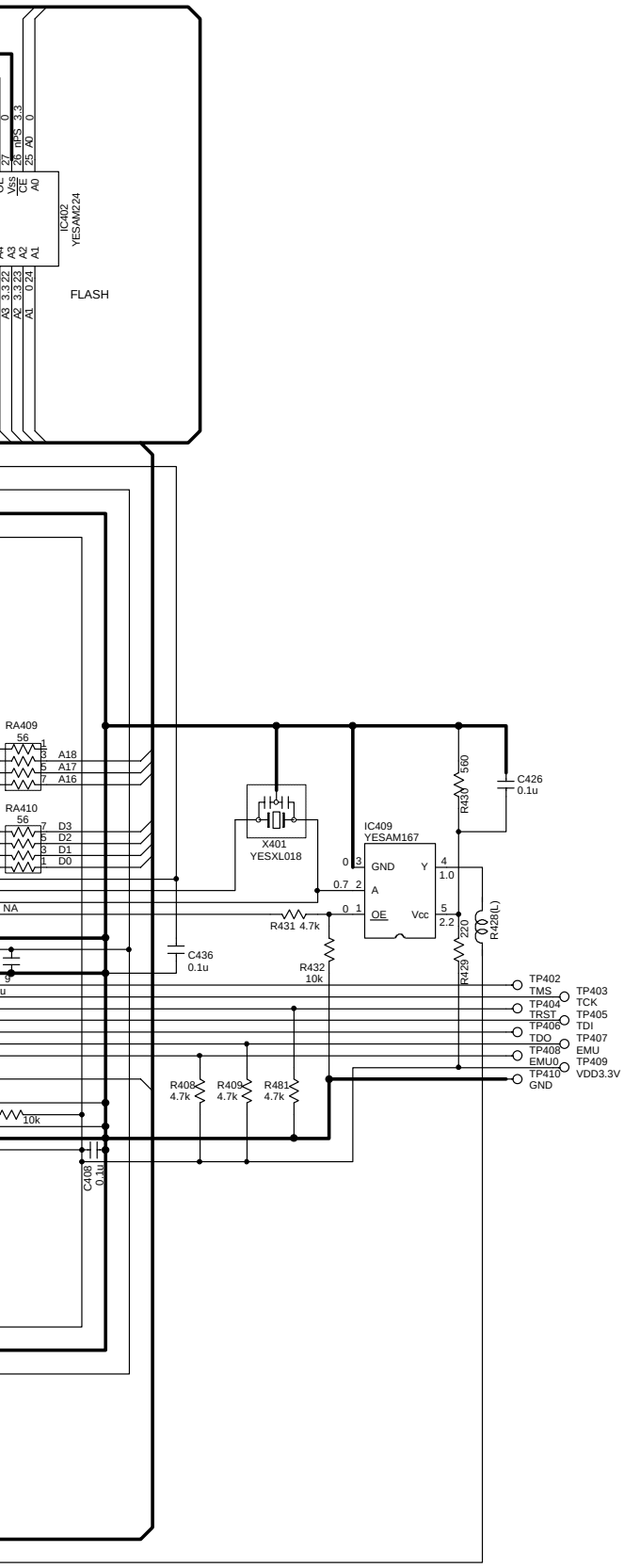



To
7204-02-11
CN681
3032-14-05
CN101
CDRST
CD MUTE
CD ON
CD SCK
CD SO
CD SI
DC8V
GND(M)
GND(M)
CD3.3V
Lch
GND(A)
GND
Rch
R137 1k
R138 1k
R139 1k
R140 1k
R141 1k
R142 1k
8V
GND(M)
VDD3.3V
Lch
GND
Rch
RESET
MUTE
CDCS
SCK
SO
SI
L302 0
8V
L403 10u
3.3V
GND
VDD3.3V
TP153
SYS3.3V
System => MP3 DSP
CDFS
SCK
SO
SI
MUTE
RESET
TP106
RCH
TP107
GND(A)
TP108
LCH
R
L
GND(A)
C360
10uF/16V
C321
0.1u
R305
220
R315
220
IC204A
M5218AFP
IC204B
M5218AFP
R304
10K
R314
10K
R329
1k
C359
100uF/16V
Q203
YESAN060
C301
1000p
C302
1000p
C311
1000p
C312
1000p
R302
3.9k
R303
15K
C356
22uF/6.3V
R312
3.9k
R313
15K
C358
22uF/6.3V
R301
3.9k
R324
100k
R311
3.9k
R325
100k
SW2
SW1
RESTSW
JP101
SHORT
AnalogGND
JP102
OPEN
C121
0.1u
C357
47uF/6.3V
Digital GND
C137
1u
R322
10k
R323
10k
C138
1u
R327
10k
R328
10k
3.3V
R131
2.2k
R136
2.2k
R133
2.2k
/RST
STAT
SUBQ
SOCK
BLKCK
MLD
MDATA
MCLK
DATA_C_M
LRCK_C_M
CLK_C_M
MLD
MDATA
MCLK
/RST
BLKCK
STAT
SQCK
SUBQ
TP158
3.3V(D)
IC201
MN6627482WB
TRV
TVD
PC
ECM
ECS
KICK
TRD
FOD
Vref
FBAL
TBAL
FE
TE
RFENV
VDET
OFT
TRCRS
/RFDET
BDO
LDON
PMCK/PLAY
SMCK
/RST
STAT
DMUTE
SUBQ
SQCK/GDO
BLCK
/FLOCK
SENSE
MLD
MDATA
MCLK
TX
DVss1
DVdd1
SRDATA
LRCK
BCLK
SSEL
MSEL
PSEL
CSEL
RSEL/GIO3
OUTR
AVss1
OUTL
AVdd1
/TEST
IOSEL
RESY/FLAG6
DEMPH
CRC
CLVS
FLAG
IPFLAG
GIO2/FCLK
GIO1/CLDCK
BYTCK/TRVSTP
PLLF2
TOFS
WWEL
ARF
Iref
DRF
DSLF
DSLF
VCOF
AVdd2
AVss2
EFMCK384
PCK/DSLB
VCOF2
SUBC
SBCK
Vss
X1
X2
Vdd
TP138
TP
C135
0.1u
C154
220uF/10V
R119 1k
L303 0
CLK2
MP3 DSP => CD DSP Audio Data
DATA_M_C
LRCK_M_C
CLK_M_C
CD DSP => MP3 DSP Audio Data
DATA_C_M
LRCK_C_M
CLK_C_M
P116
BAL
TP115
TBAL
18k
TP105
FE
TP104
TE
R110 10k
1000p
C113
1500p
R109
150k
C136 0.1u
C111
0.022u
R130
1M
RFENV
OFTR
NRFDET
BDO
TP154
NRFDET
ARF
C122
1000p
TP101
ARF
R122
56k
R123
120k
C123
0.022u
R121
220k
C124
0.1u
C125
1000p
R125
470
C127
1000p
R126
2.7k
C130
1000p
R128
220
C131
0.1u
C126
1u
C128
0.22u
C129
0.1u
C132
0.1u
C139
0.1u
R127
220k
R326
100
L301
100u
The following symbols are shown on the schematic diagram.
8V
8V
3.3V
3.3V
AUDIO(L,R)
CLK_M_C <=> SSEL
LRCK_M_C <=> MSEL
DATA_M_C <=> PSEL
CLK_C_M <=> BCLK
LRCK_C_M <=> LRCK
DATA_C_M <=> SRDATA
CDM-007(MP3)
CQ-C3300N CD Servo Block (1/2)
44

20.5. CD Servo Block [CQ-C3300N] -2



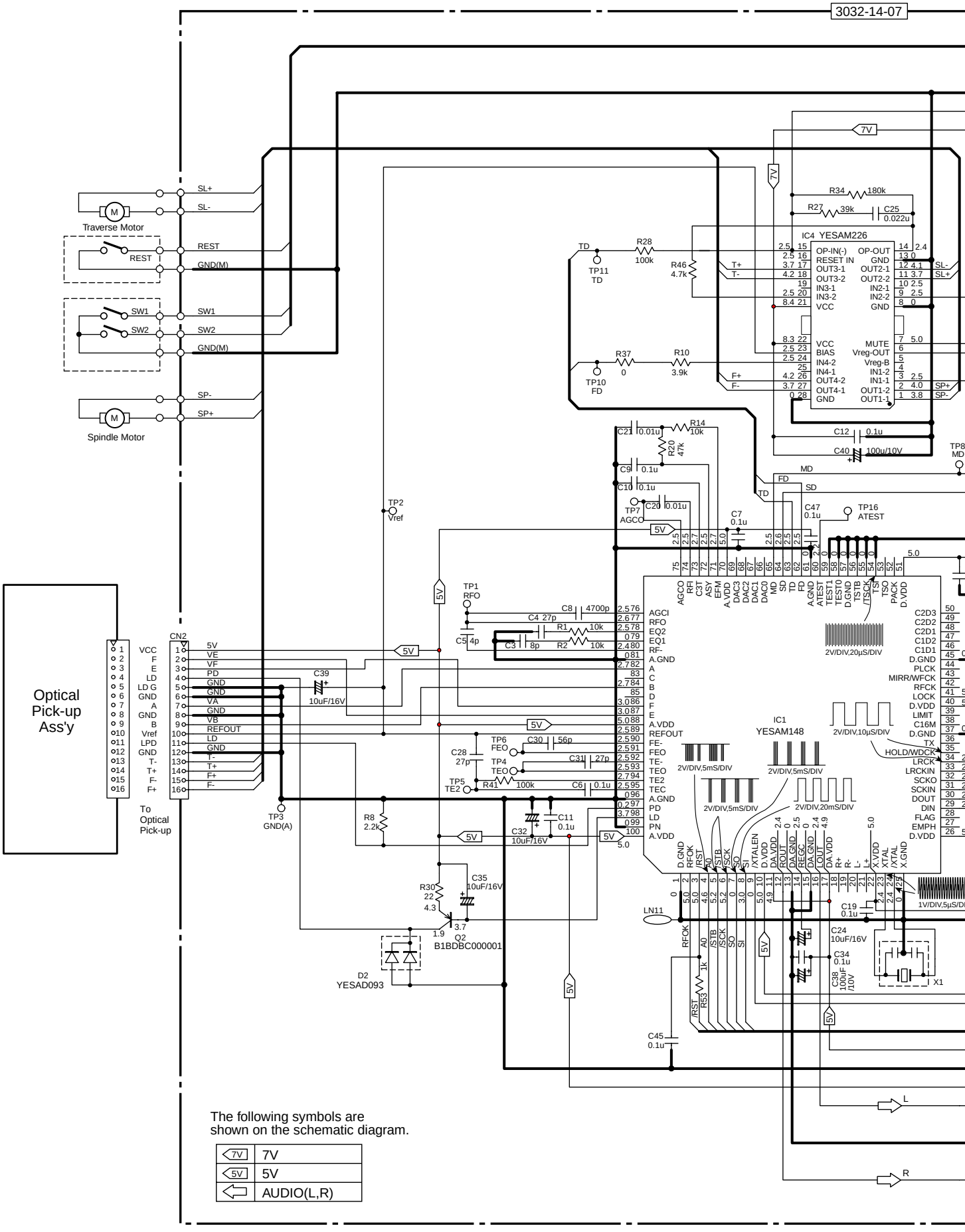
-05

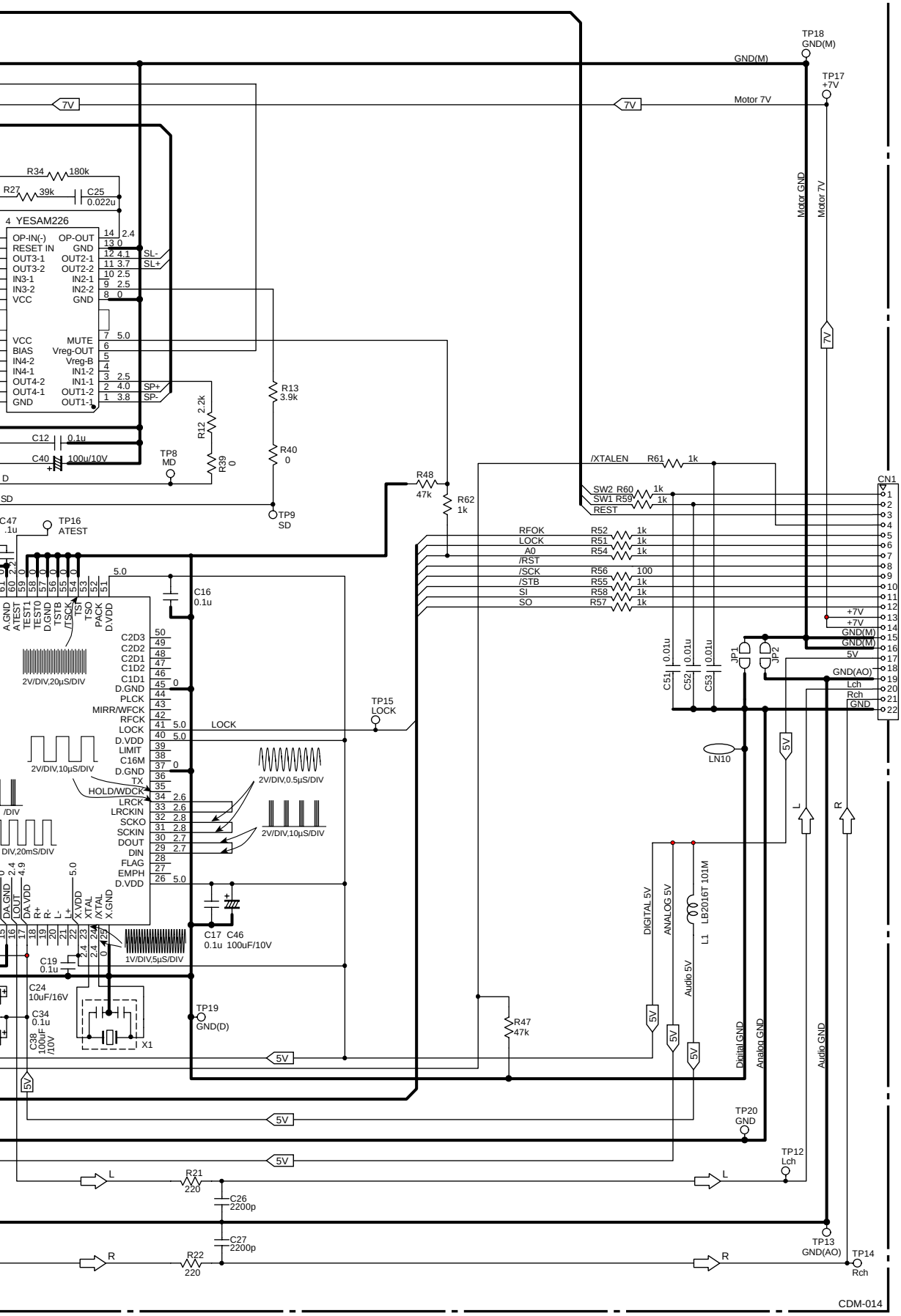


CDM-007(MP3)

CQ-C3300N CD Servo Block (2/2)

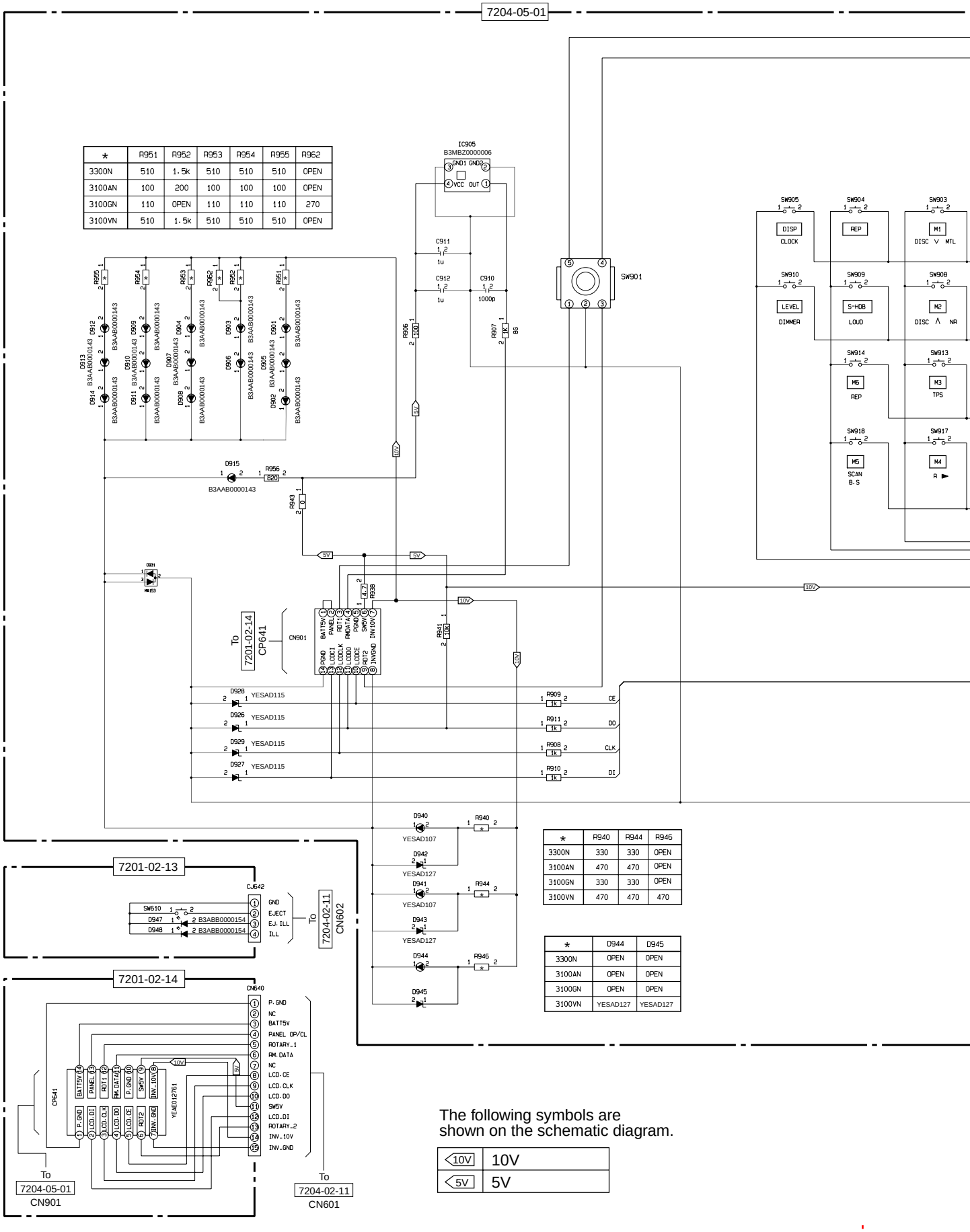
20.6. CD Servo Block [CQ-C3100AN/3100GN/3100VN]





CQ-C3100AN/C3100GN/C3100VN CD Servo Block

20.3. Display Block



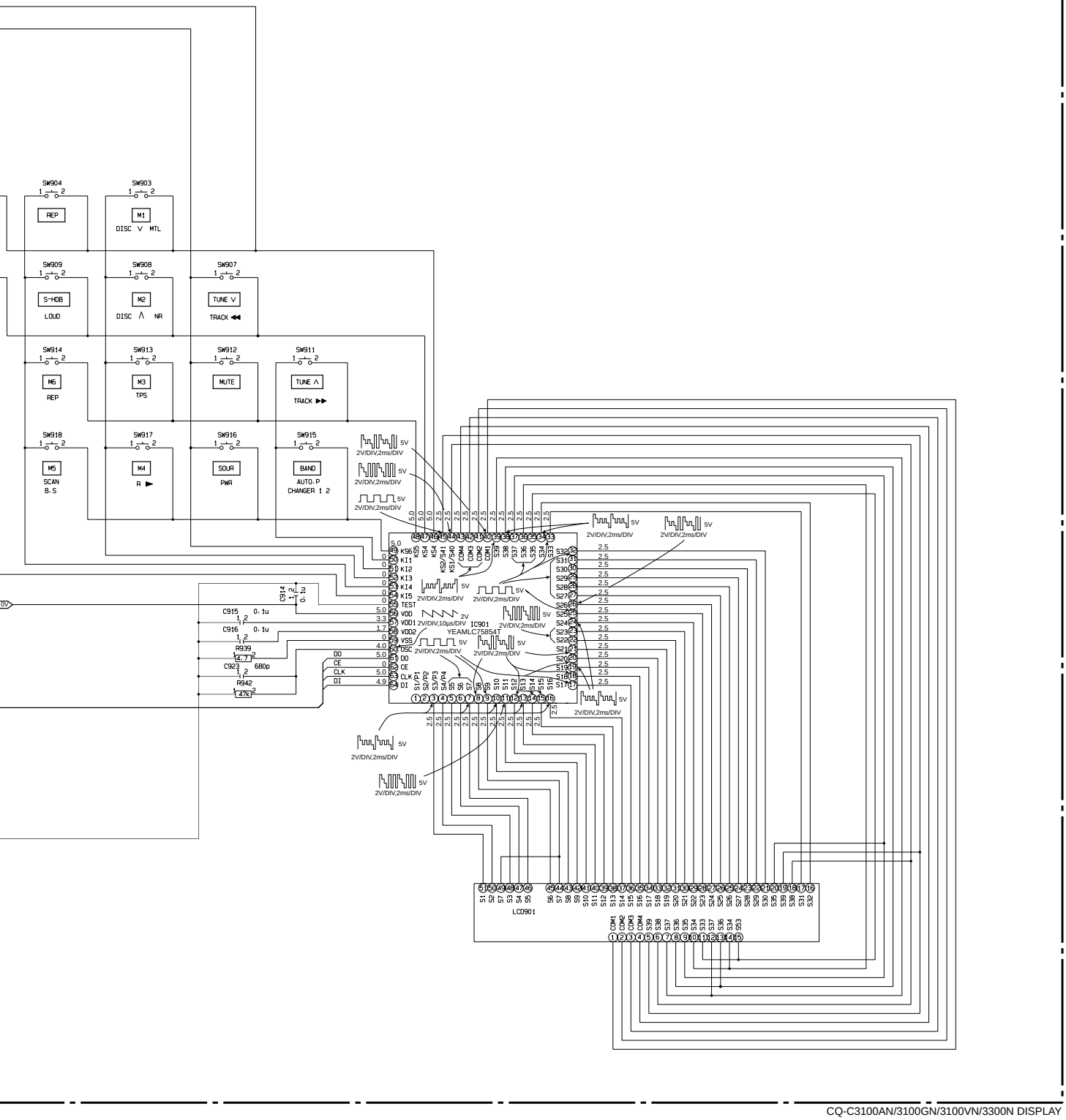
*	R951	R952	R953	R954	R955	R962
3300N	510	1.5k	510	510	510	OPEN
3100AN	100	200	100	100	100	OPEN
3100GN	110	OPEN	110	110	110	270
3100VN	510	1.5k	510	510	510	OPEN

*	R940	R944	R946
3300N	330	330	OPEN
3100AN	470	470	OPEN
3100GN	330	330	OPEN
3100VN	470	470	470

*	D944	D945
3300N	OPEN	OPEN
3100AN	OPEN	OPEN
3100GN	OPEN	OPEN
3100VN	YESAD127	YESAD127

The following symbols are shown on the schematic diagram.

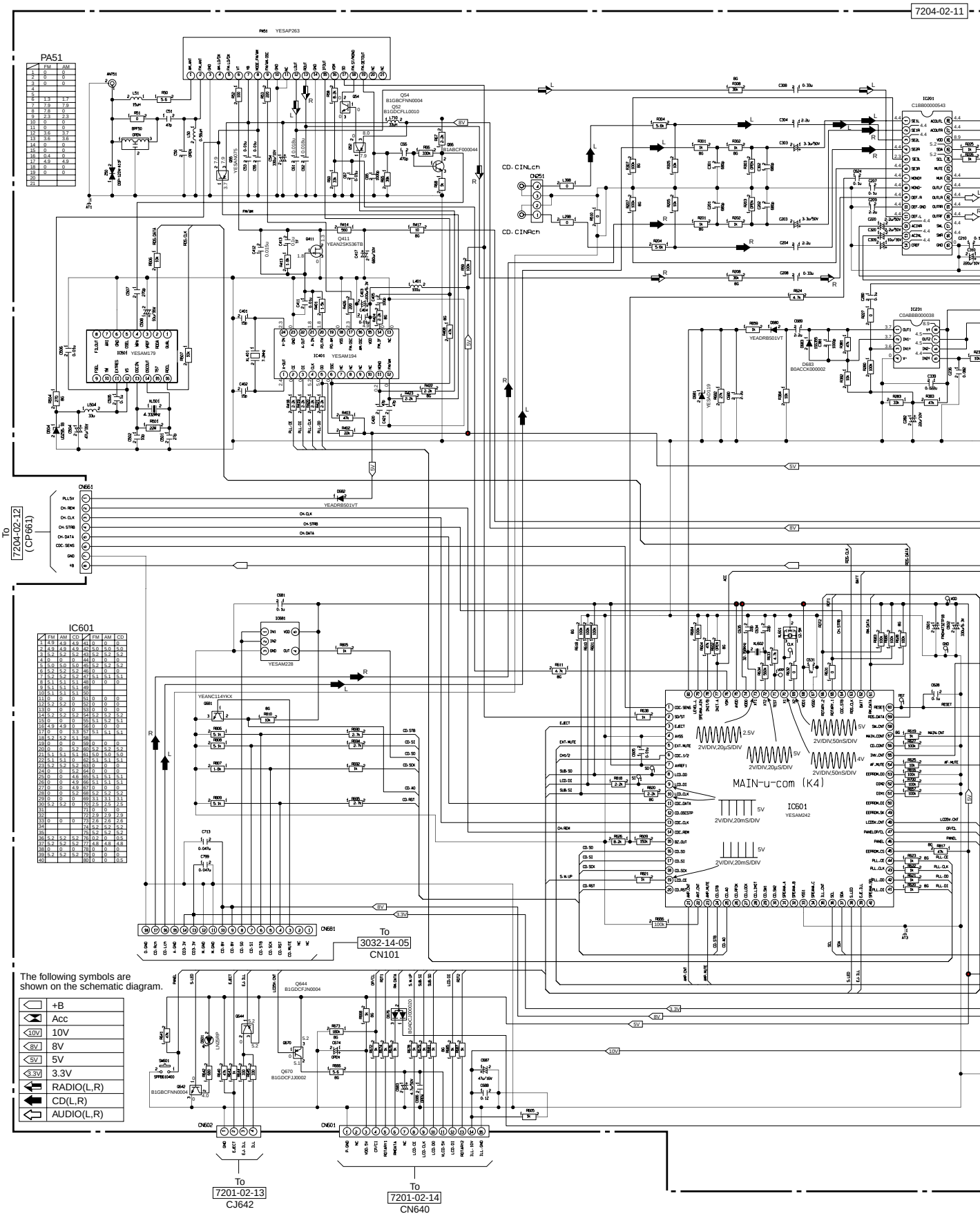
10V	10V
5V	5V

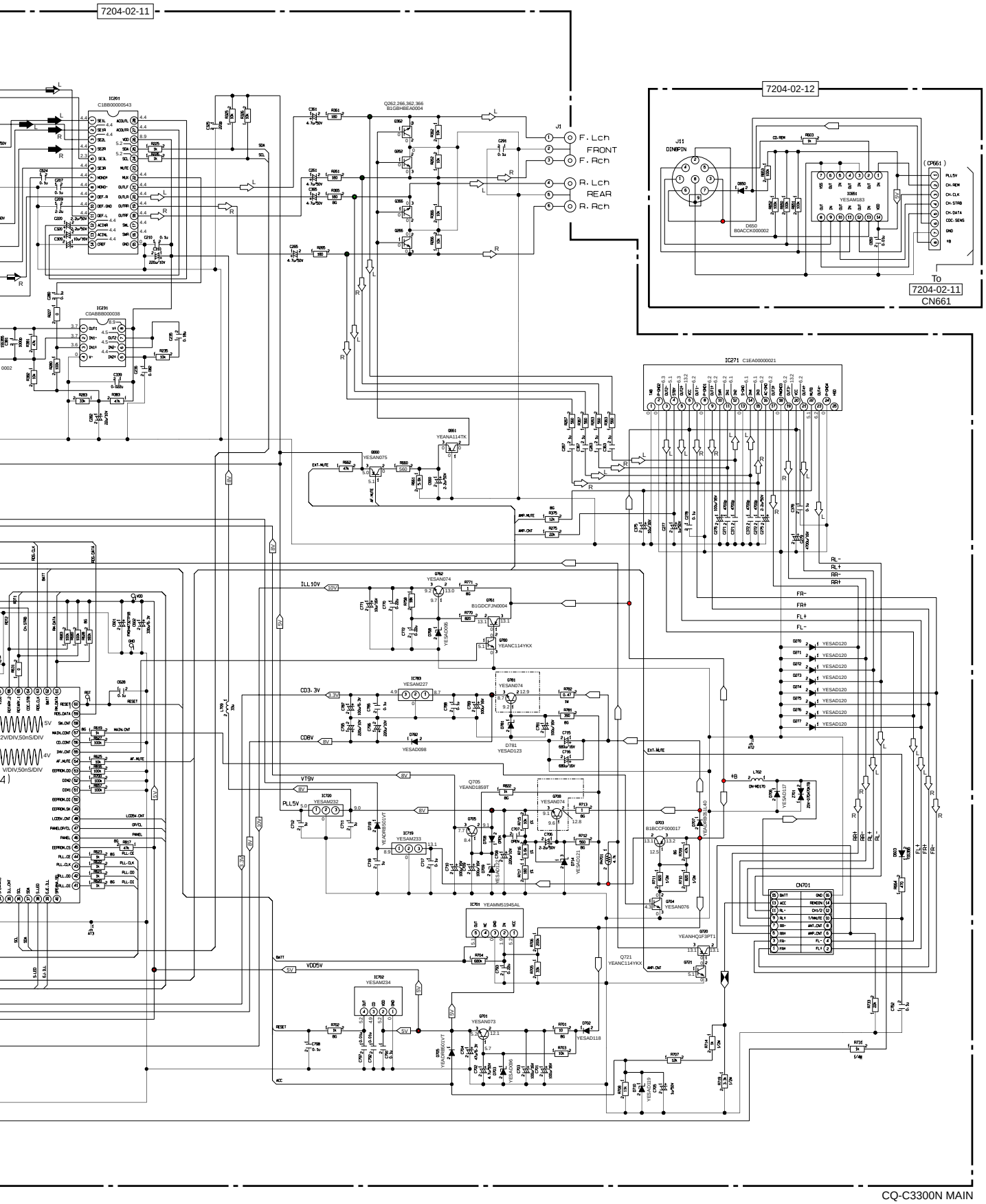


CQ-C3100AN/3100GN/3100VN/3300N DISPLAY

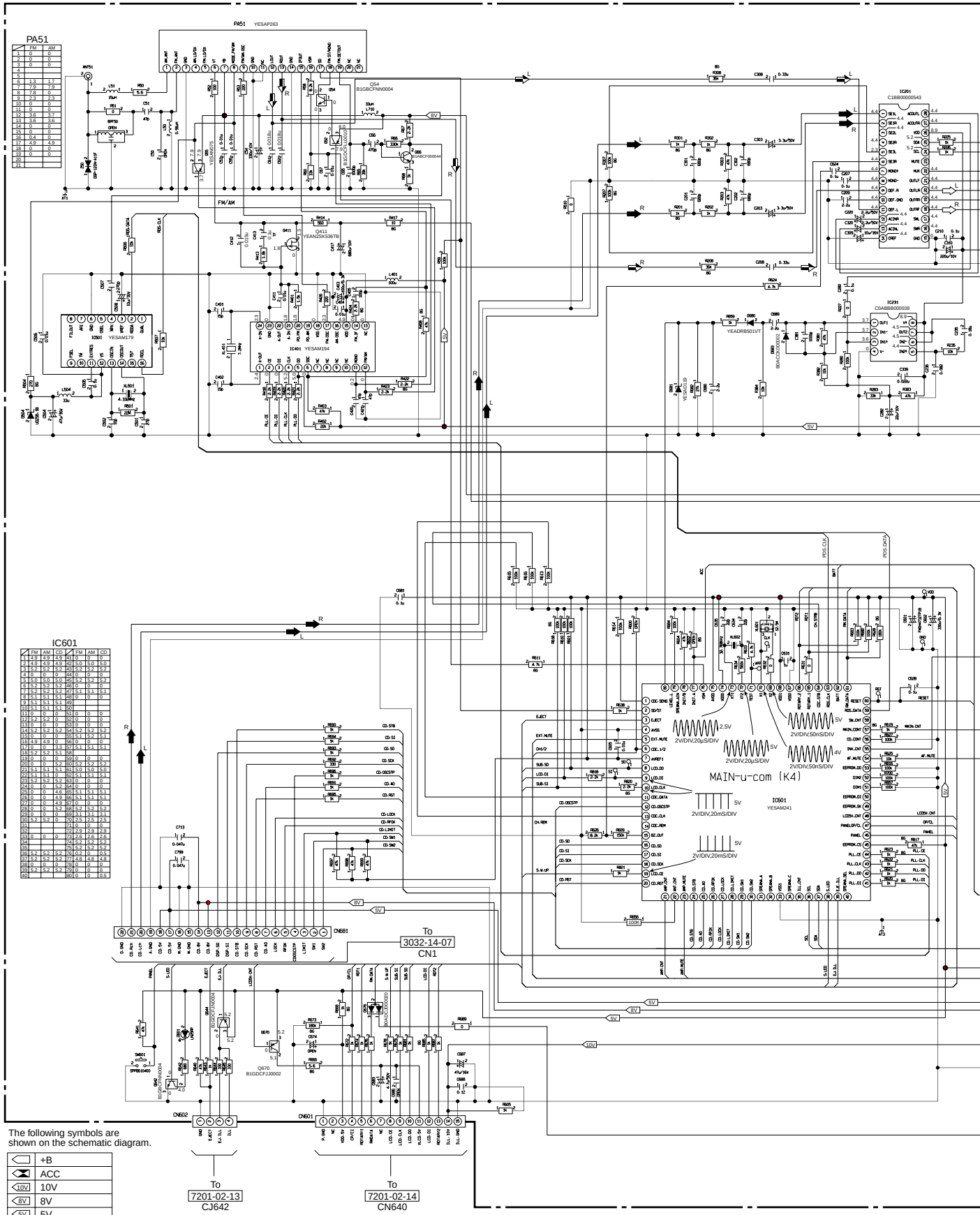
20 SCHEMATIC DIAGRAM

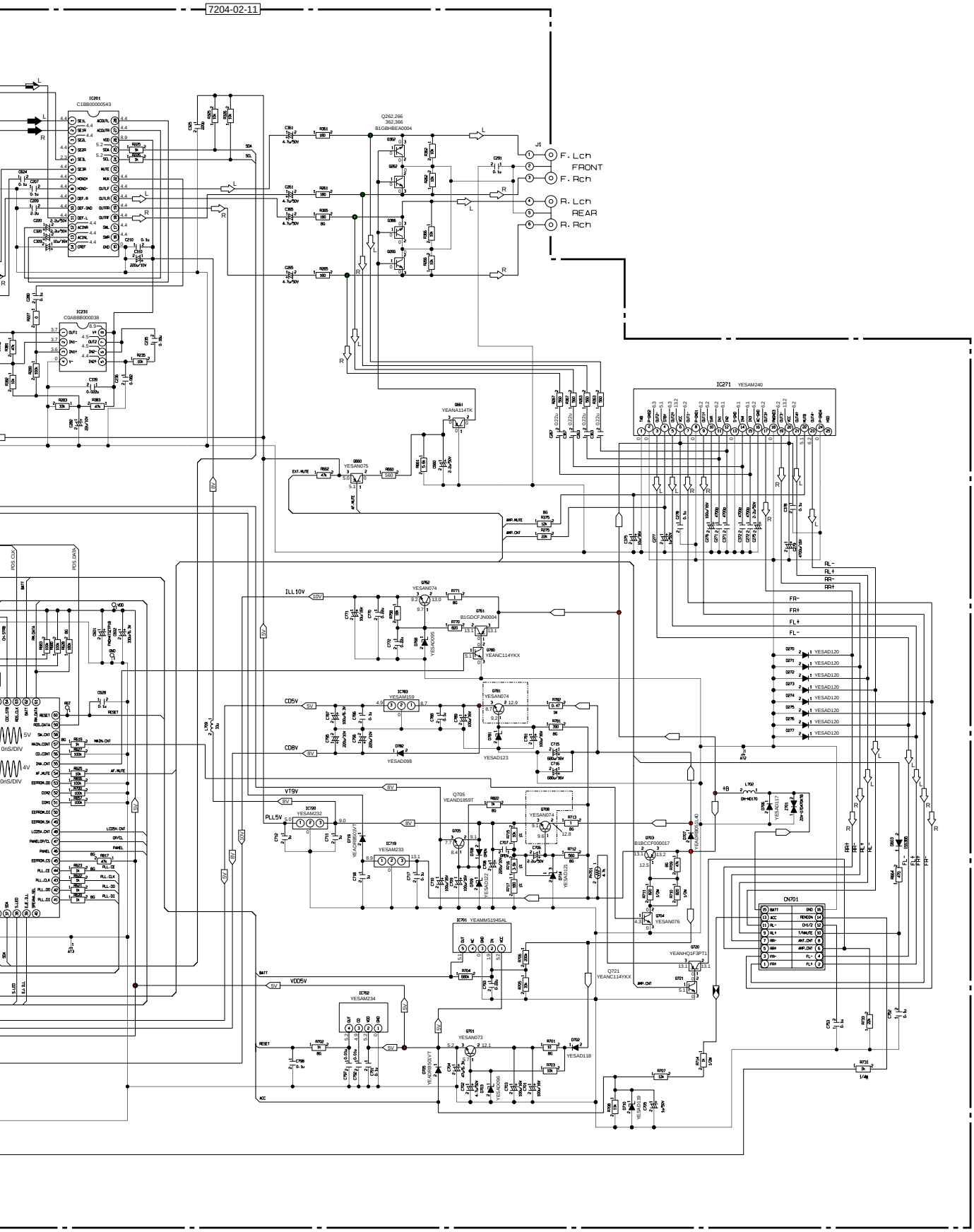
20.1. Main Block [CQ-C3300N]

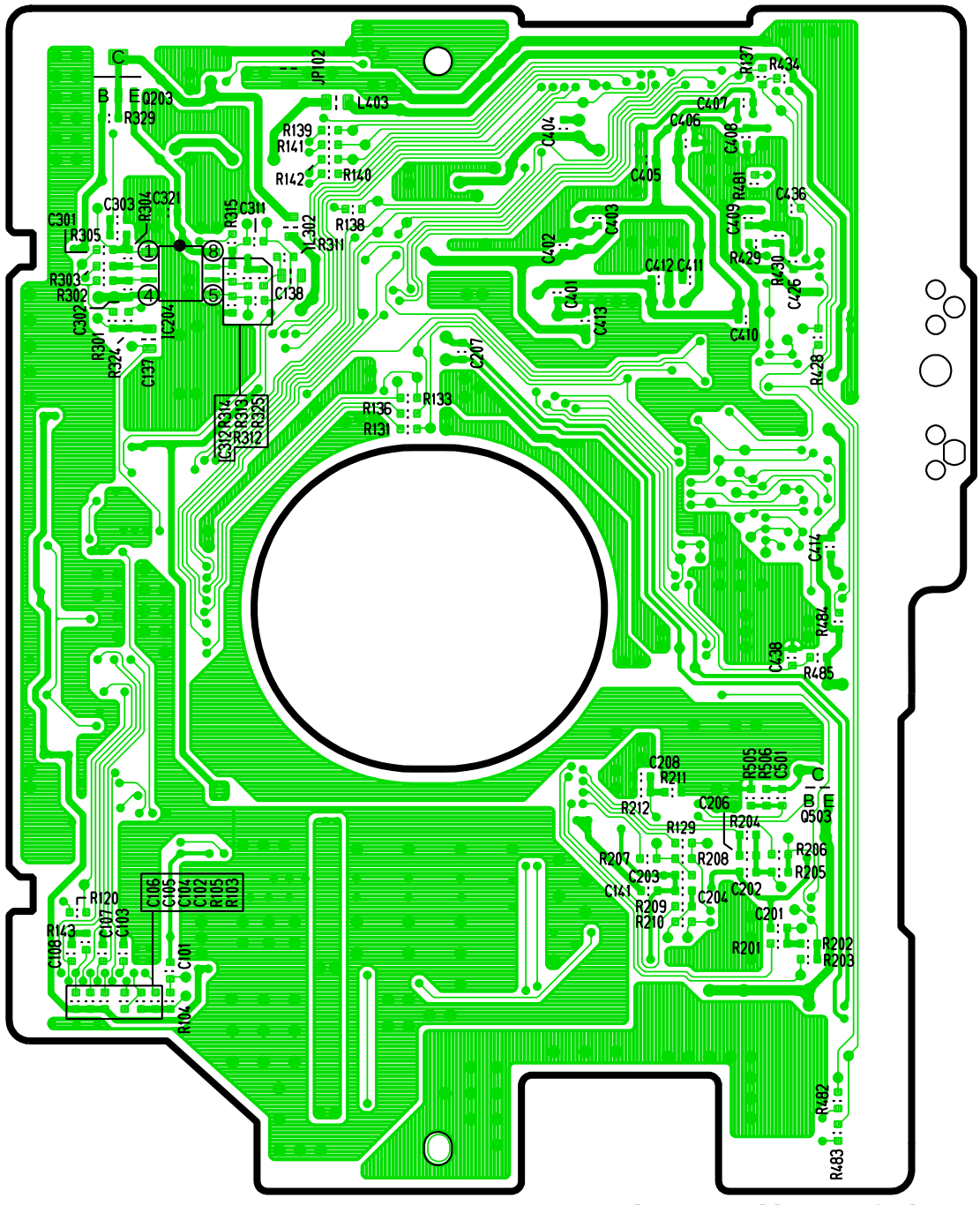



7204-02-11
7204-02-12
To
7204-02-11
CN661
CQ-C3300N MAIN

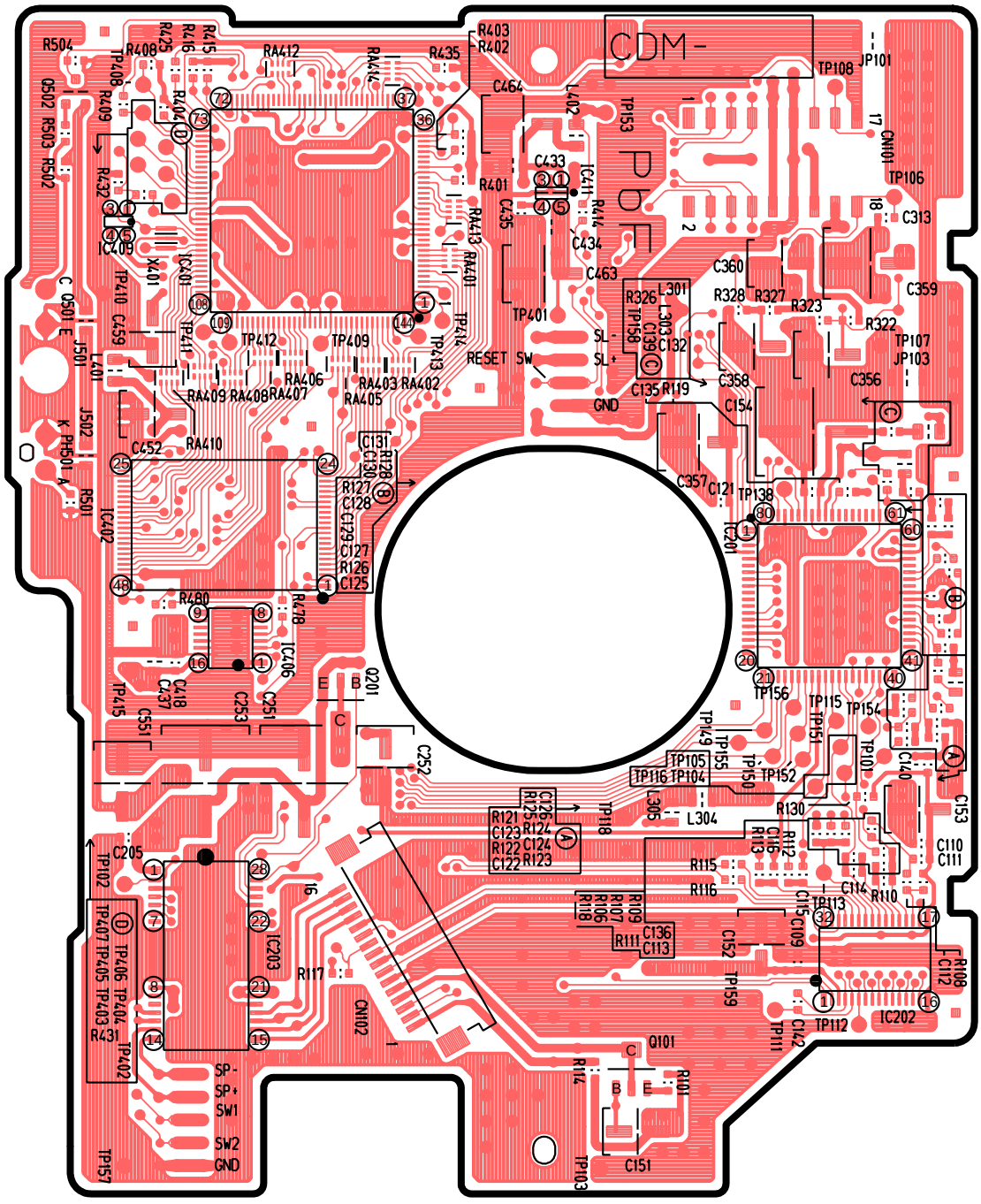
20.2. Main Block [CQ-C3100AN/3100GN/3100VN]



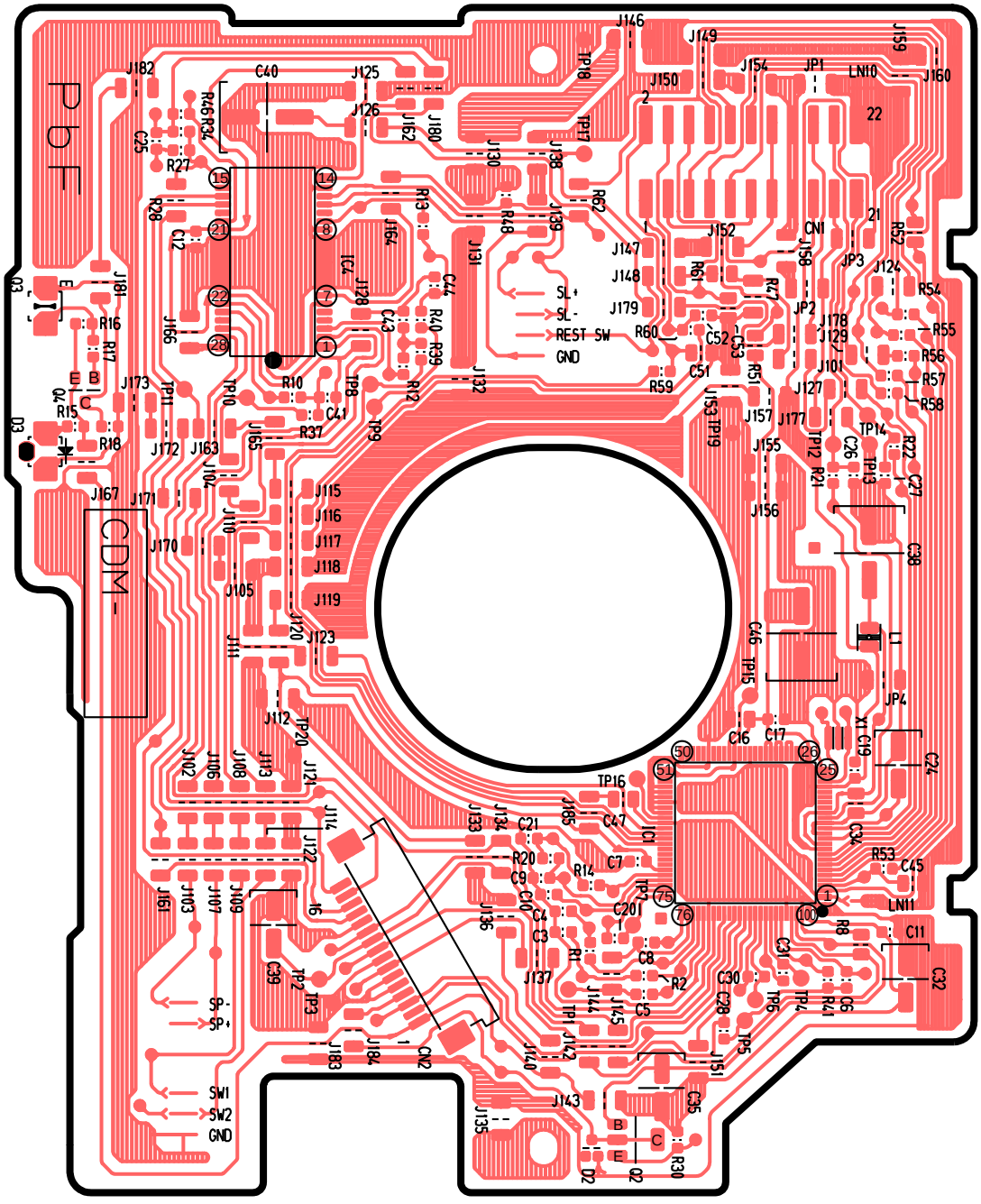

7204-02-11
J1
F. Lch
FRONT
F. Rch
R. Lch
REAR
R. Rch
IC271 YESAM240
CN701



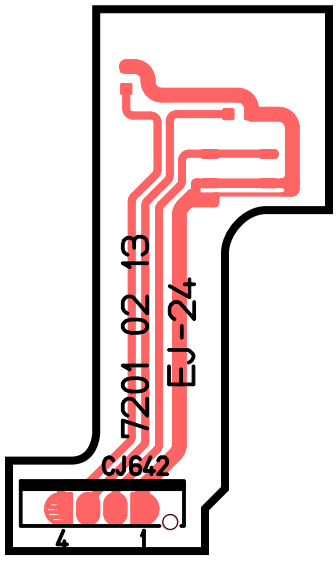
[3032-14-05] [Bottom View]



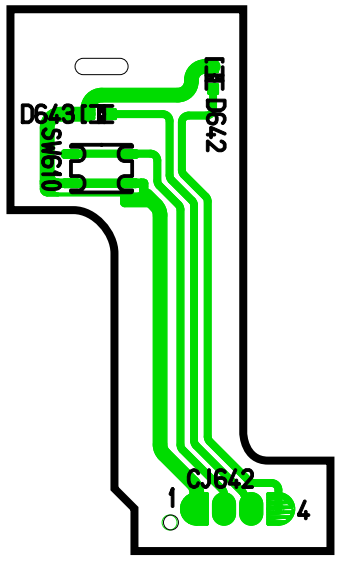
[3032-14-05] [Top View]



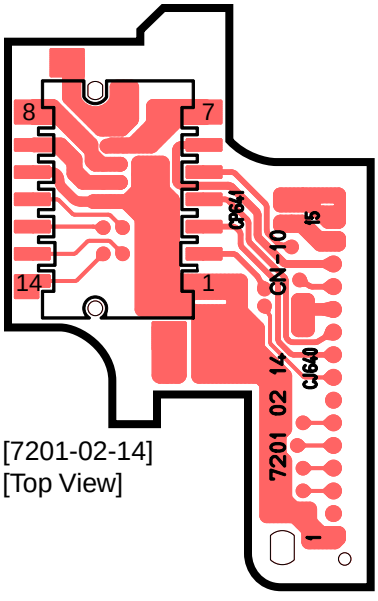
[3032-14-07] [Top View]



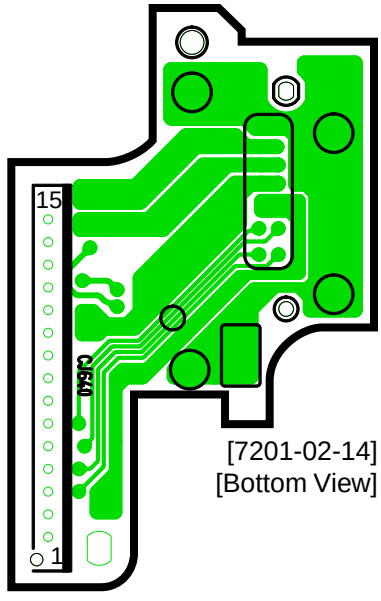
[7201-02-13]
[Top View]



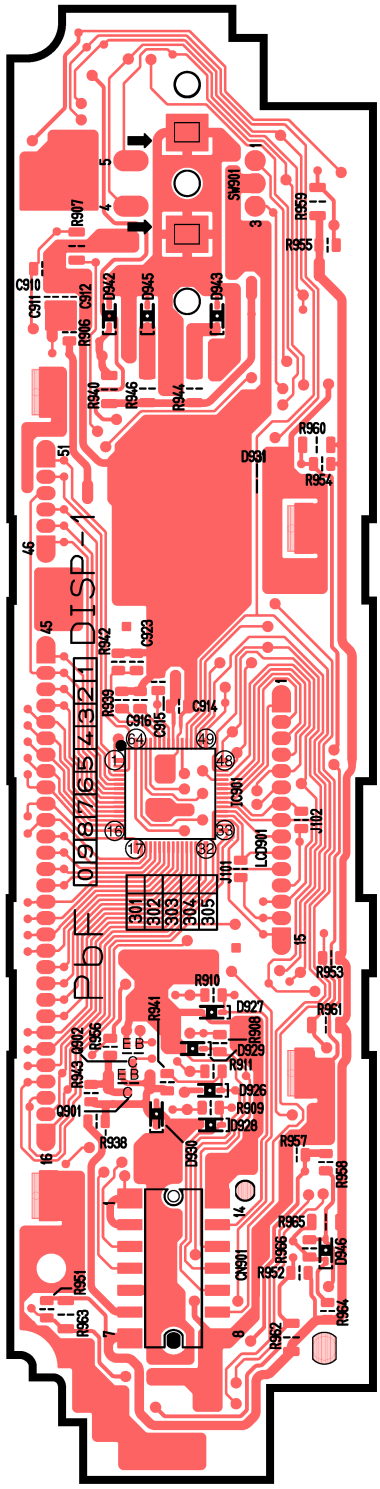
[7201-02-13]
[Bottom View]



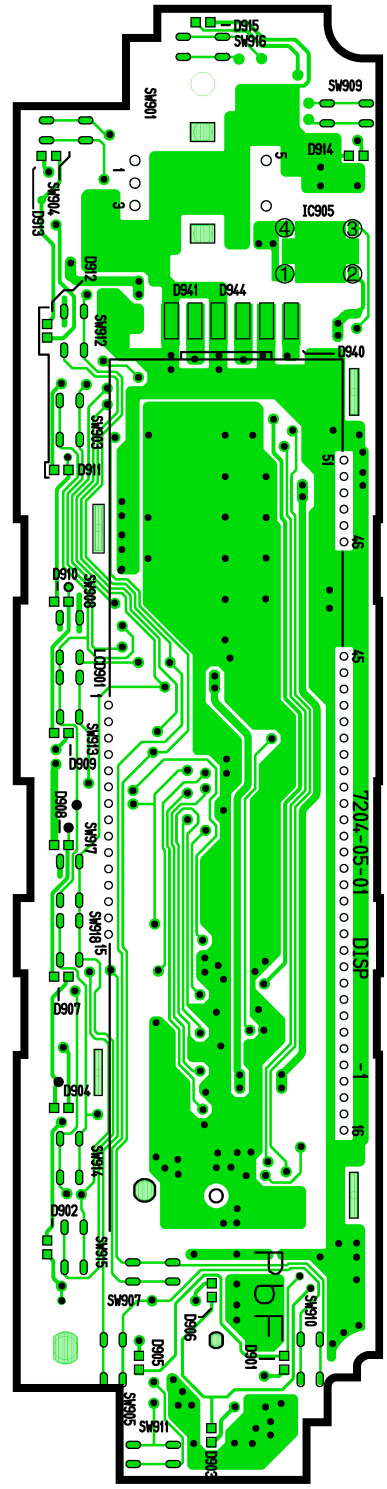
[7201-02-14]
[Top View]



[7201-02-14]
[Bottom View]



[7204-05-01A] [Top View]



[7204-05-01A] [Bottom View]